UNIVERSITY OF RAJASTH

JAIPUR

SYLLABUS

B.A.- PART- III

EXAMINATION 2016

Prepared by - [signature] 22/08/15

Checked by

[signature]

Asstt. Registrar (Acad-I)
University of Rajasthan
JAIPUR

CONTENTS

Asstt. Registrar (Acad-I)
University of Rajasthan
JAIPUR

SCHEME OF EXAMINATION
B.A. Part III Examination
(Under 10+2+3 Pattern)

R.II (2)

The number of papers and the maximum marks for each paper together with the minimum marks required for a pass are shown in the Scheme of examination on against each subject separately. It will be necessary for a candidate to pass in the theory part as well as the parctical part of a subject/paper, wherever prescribed, separately. Classification of successful candidates shall be as follows :

First Division   60% ⎱   of the aggregate marks obtained at the

Second Division   48% ⎰   Part I, Part II & Part III Examination, taken together.

All the rest will be declared to have passed the Examination if they obtain the minimum pass marks in each subject, viz. 36%. No division shall be awarded at the Part-I and Part-II examination.
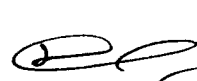
DISTRIBUTION OF MARKS

Sr. No.	Name of the Subject	No. of Papers	Duration	Max Marks	Min. Pass Marks
1	2	3	4	5	6

Optional Subjects (Any three of the following subjects to the restriction as mentioned in 0.203-1)

Sr. No.	Name of the Subject	No. of Papers	Duration	Max Marks	Min. Pass Marks
1.	English Literature	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	
2.	Hindi Sahitya	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	
3.	Urdu	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	
4.	Persian	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	
5.	Sanskrit	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	
6.	Philosophy	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	

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1	2	3	4	5		6	
7.	History	Paper I	3 hrs.	100	⎫	200	72
		Paper II	3 hrs.	100	⎬		
8.	Political Science	Paper I	3 hrs.	75			
		Paper II	3 hrs.	75		150	54
		Practical	3 hrs.	120			43
9.	Indian Music	Paper I	3 hrs.	75		150	54
		Paper II	3 hrs.	75			
10.	Public Administration	Paper I	3 hrs.	100		200	72
		Paper II	3 hrs.	100			
11.	Drawing & Painting	Prac. Paper I	5 hrs.	90		180	65
		Prac. Paper II	5 hrs.	90			
		Submission of work (Regular)	20	7			
12.	Sociology	Paper I	3 hrs.	100		200	72
		Paper II	3 hrs.	100			
13.	German	Paper I	3 hrs.	75			
		Paper II	3 hrs.	75		150	75
		Viva-voce		50			25
14.	French	Paper I	3 hrs.	75			
		Paper II	3 hrs.	75		150	75
		Viva-voce		50			25
		Practical	3 hrs.	120			43
15.	Home Science	Paper I	3 hrs.	50			
		Paper II	3 hrs.	50		100	36
		Practical :					
		1. Cookery	4 hrs.	50		18	
		2. Home Management	3 hrs.	50		18	
16.	Mathematics	Paper I	3 hrs.	66		200	72
		Paper II	3 hrs.	66			
		Practical	3 hrs.	68			
17.	Economics	Paper I	3 hrs.	100		200	72
		Paper II	3 hrs.	100			
18.	Geography	Paper I	3 hrs.	75		150	54
		Paper II	3 hrs.	75			
		Practical	3 hrs.	50			18
19.	Statistics	Paper I	3 hrs.	67			
		Paper II	3 hrs.	67		134	48
		Practical		66			24
20.	Applied Statistics	Paper I	3 hrs.	67		134	48
		Paper II	3 hrs.	67			
		Practical		66			24
21.	Psychology	Paper I	3 hrs.	75			
		Paper II	3 hrs.	75		150	54
		Practical	3 hrs.	50			18

1	2	3	4	5	6	
22.	Textile Craft	Paper I	3 hrs.	30	60	2
		Paper II	3 hrs.	30		
		Two Practical 35 marks each	70	25		
		Two Submis- sion 35 each		70	25	
23.	Investigative	paper I	3 hrs.	40	15	
	Bio-Technology	Paper	3 hrs.	40	15	
		Practical		120	42	
24.	Garment production	Paper I	3 hrs.	30		
	& Export Management	Paper II	3 hrs.	50	80	30
		Two Practicals (4 hrs. each)	120	42		
25.	Rajasthani	Paper I	3 hrs.	100		
		Paper II	3 hrs.	100	200	72
26.	Sheep and Wool	Paper I	3 hrs.	66		
		Paper II	3 hrs.	66	132	48
		Practical	4 hrs.	68		24
27.	Live Stock &	Paper I	3 hrs.	66		
	Dairying	Paper II	3 hrs.	66	132	48
		Practical		68	24	
28.	Anthropology	Paper I	3 hrs.	100		
		Paper II	3 hrs.	100	200	72
29.	Dramatics	Paper I	3 hrs.	50		
		Paper II	3 hrs.	50	200	72
		Prac. Paper I	4 hrs.	50	18	
		Prac. Paper II	4 hrs.	50	18	
30.	Vocational	Paper I	3 hrs.	65		
	Computer	Paper II	3 hrs.	65	130	47
	Application	Practical		70		25
31.	Indian Heritage in	Prac. Paper I	5 hrs.	70	25	
	Rural Handicrafts	Prac. Paper II	5 hrs.	70	25	
		Submission		60	22	

N.B.: 1. Candidates must pass separately in each of the paper Theory and Practical, Wherever prescribed.

2. Common papers in the subjects of Statistics and Mathematics, Economics, Geography and Psychology will be set both in the Faculties of Social Sciences and Science. The allocation of marks will however, be different.

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01. ENGLISH LITERATURE

BA Part III
2015-16

The Syllabus aims at achieving the following objectives:

1. Interpretation and appreciation of selected texts from the genres of poetry, drama, prose and fiction.
2. Strengthening skills of note making, summarizing and dialogue writing.
3. Understanding texts with specific reference to genres, forms and literary terms.

Paper I: Poetry and Drama

Maximum Marks: 100

Duration: 3 hrs   **Min. Pass Marks: 36**

Question No. 1: References to Context from unit A, B & C.

Candidate will be required to explain **four (4)** passages of Reference to Context out of **Eight (8)** of five marks each, with a total of **20 Marks.**

Question No. 2: Will also be compulsory. The student will be required to attempt 5 questions out of 10, to be answered in about 5 lines each. Each question will carry 4 marks to a total of **20 marks.**

The other 3 questions will be essay – type questions of **20 marks** each, one from each section with internal choice.

SECTION A

The following poems from *String of Gold* part III edited by **Jasbir Jain** (Macmillan):

Tennyson:	Ulysses
R. Browning:	My Last Duchess
M. Arnold:	Dover Beach
G.M. Hopkins:	The Sea and the Skylark
W.B. Yeats:	A Prayer for my Daughter
T.S. Eliot:	Preludes

SECTION B

The following poems from *Texts and Their Worlds* Edited by Anna Kurian.
Foundation Books, 2005.

Kalidas, Bhavabhuti, Bhartrahari: Is Poetry Always Worthy when its Old?

Syed Amanuddin: Don't Call Me Indo-Anglian

R. Parthasarathy: From Homecoming

Agyeya: Hiroshima

M. Gopalkrishna Adiga: Do Something, Brother

Eunice D Souza: Women in Dutch Painting

O.N.V. Kurup: Earthen Pots

A. Jayaprabha: Stares

Daya Pawer: Oh Great Poet

Sitakant Mahapatra: the Election

SECTION C

Grish Karnad: *Tughlaq*

Eugene O'Neill   *The Hairy ape*

Paper II: Prose and Fiction

Maximum Marks: 100

Duration: 3 hrs   **Min. Pass Marks: 36**

Candidate will be required to answer **five (5)** Essay type Questions of **20 marks** each,
choosing at least one question from each section, out of **10 essay type questions.**

SECTION A

The following Essays from *Texts and their Worlds* / edited by Anna Kurian,
Foundations Books, 2005

II section of Susie Tharu and K. Lalitha : Introduction from *Women Writing in India :*
600 B.C to the present

S.V Srinivas : The Politics of Failure

Kanchan Ilaiah : Why I am not a Hindu

The following short stories from *Texts and Their Worlds* edited by Anna Kurian.

Foundation Books, 2005:

Munshi Premchand: The Shroud

Ismat Chugtai: Roots

V.M. Basheer: Birthday

Shashi Deshpande: My Beloved Charioteer

Ambai: A Kitchen in the Corner of House

SECTION B

R.K. Narayan: *The Guide*

Charotte Bronte: *Jane Eyre*

SECTION C

1. A Short Passage of about 10 simple sentences to be translated from Hindi to English.

2. Editing a short text (Grammaticality, Logicality, Coherence)

Recommended Reading:

Vandana R. Singh. *The Written Word* (O.U.P.)

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2. हिन्दी साहित्य

: प्रथम प्रश्न पत्र

हिन्दी काव्य-2)

परीक्षा योजना

पूर्णांक 100   अवधि : 3 घण्टे

1. खण्ड 'क' के अन्तर्गत निर्धारित पाठ्यांशों से दिये गये तीन (03) अंशों का पाठ-विश्लेषण-सांस्कृतिक, समाजशास्त्रीय एवं साहित्यिक परिप्रेक्ष्य में (आन्तरिक विकल्प देय)
                3×8=24 अंक

2. खण्ड 'क' में उल्लिखित कवियों पर (काव्य-कला, भाव-व्यंजना, रचना के महत्व आदि पर) दो विवेचनात्मक/आलोचनात्मक प्रश्न (आन्तरिक विकल्प देय) : शब्द-सीमा 500 शब्द
                2×20=40 अंक

3. खण्ड 'ख' से दो लघूत्तरात्मक प्रश्न (तीन में से कोई दो) (शब्द-सीमा 150 शब्द) पूछे जायेंगे।
                2×6=12 अंक
    तथा चार अतिलघूत्तरात्मक प्रश्न (शब्द-सीमा 25 शब्द, कोई विकल्प नहीं) पूछे जायेंगे।
                4×2=8 अंक

4. खण्ड 'ग' में उल्लिखित रचनाकारों/रचनाओं के परिचय/महत्व/विशेषता आदि पर दो लघूत्तरात्मक प्रश्न (तीन में से कोई दो प्रश्न) (शब्द सीमा 150 शब्द) पूछे जायेंगे।
                2×6=12 अंक
    तथा दो अतिलघूत्तरात्मक प्रश्न (शब्द-सीमा 25 शब्द, कोई विकल्प नहीं) पूछे जायेंगे।
                2×2=4 अंक

क. निर्धारित पाठ्यांश :

1. जयशंकर प्रसाद   :
    1. उठ उठ री लघु लोल लहर
    2. ले चल वहाँ भुलावा देकर
    3. बीती विभावरी जाग री
    4. मेरी आँखों की पुतली में
    5. पेशोला की प्रतिध्वनि

2. सूर्यकान्त त्रिपाठी निराला   :
    1. संध्या-सुन्दरी
    2. सखि, बसन्त आया
    3. बादल-राग-6
    4. स्नेह-निर्झर बह गया है
    5. प्रिया के पति
    6. राजे ने अपनी रखवाली की

3. महादेवी वर्मा   :
    1. जो तुम आ जाते एक बार
    2. कौन तुम मेरे हृदय में?
    3. मधुर-मधुर मेरे दीपक जल
    4. सब आँखों के आँसू उजले
    5. निशा को धो देता राकेश

6. मैं नीर भरी दुख की बादली

7. रूपसि तेरा घन केश-पाश

4. रामधारी सिंह दिनकर : 1. 'कुरुक्षेत्र' का सातवाँ सर्ग

5. केदारनाथ अग्रवाल : 1. हमारे बाद भी

2. चन्द्रगहना से लौटती बेर,

3. धूप

4. मेरे अन्दर

5. वह जन मारे नहीं मरेगा

6. अज्ञेय : 1. नदी के द्वीप

2. हिरोशिमा

3. सागर-मुद्रा-2

4. बना दे चितेरे

5. कितने नावों में कितनी बार

7. गजानन माधव मुक्तिबोध : 1. ब्रह्मराक्षस

2. चाँद का मुँह टेढ़ा है (कविता)

8. धूमिल : 1. अकाल-दर्शन

2. प्रौढ़ शिक्षा

9. रघुवीर सहाय : 1. रामदास

2. अधिनायक

3. आत्महत्या के विरुद्ध

10. ऋतुराज : 1. पाँच सितारे

2. एक कटे पेड़ की कहानी

3. गरीब लोग

4. रुको सूर्यास्त

ख. **आधुनिक हिन्दी कविता का इतिहास :**
आधुनिकता की पहचान और हिन्दी कविता, हिन्दी कविता का आरम्भिक द्वन्द्व, हिन्दी नवजागरण, कविता में प्रकृति, अध्यात्म, राष्ट्रीयता एवं सुधार, छायावाद : प्रेरणा एवं पृष्ठभूमि, स्वच्छंदतावाद-छायावाद-रहस्यवाद : वैशिष्ट्य और अन्तःसम्बन्ध, छायावाद के राष्ट्रीय-सांस्कृतिक-सामाजिक सरोकार, प्रगतिवाद : वैचारिक आधार एवं प्रतिबद्धता, प्रयोगवाद, नयी कविता, साठोत्तर कविता और समकालीन कविता।

ग. **निम्नलिखित रचनाकारों, उनकी रचनात्मक विशेषताओं तथा कृति-विशेष का सामान्य परिचयात्मक अध्ययन :**
श्रीधर पाठक, हरिऔध, मैथिलीशरण गुप्त, रामनरेश त्रिपाठी, माखनलाल चतुर्वेदी, सुमित्रानंदन पंत, बालकृष्ण शर्मा नवीन, हरिवंशराय बच्चन, सुभद्राकुमारी चौहान, नागार्जुन, त्रिलोचन, शमशेर बहादुर सिंह, गिरिजाकुमार माथुर, धर्मवीर भारती, सर्वेश्वरदयाल सक्सेना, भवानीप्रसाद मिश्र, विजयदेवनारायण साही, केदारनाथ सिंह, कुँवरनारायण, नरेश मेहता, दुष्यन्त कुमार और अरुण कमल।

बी.ए. तृतीय वर्ष : **द्वितीय** प्रश्न पत्र
(हिन्दी भाषा व्याकरण और **साहित्य** सिद्धान्त)
परीक्षा योजना

पूर्णांक : 100   अवधि : 3 घण्टे

1. खण्ड 'क' से एक दीर्घउत्तरीय एवं एक **टिप्पणीपरक** प्रश्न (जिसमें चार टिप्पणियों में से कोई दो करनी होंगी) (आन्तरिक विकल्प **देय**) (शब्द-सीमा 500 शब्द)
                                                            2×20=40 अंक

2. खण्ड 'ख-1' से एक एवं 'खण्ड ख-2' से एक, कुल दो प्रश्न (आन्तरिक विकल्प देय)
                                                            2×20=40 अंक

3. खण्ड 'ग-1' से एक एवं खण्ड 'ग-2' से एक, कुल दो प्रश्न (आन्तरिक विकल्प देय)
                                                            2×10=20 अंक

4. खण्ड 'ख' व खण्ड 'ग' पर केन्द्रित प्रश्नों को अतिलघूत्तरात्मक, लघूत्तरात्मक एवं टिप्पणीपरक प्रश्नों के रूप में आन्तरिक उपविभक्त किया जा सकेगा।

क. **हिन्दी भाषा :**

भारतीय भाषाएँ और हिन्दी, हिन्दी भाषा का उद्भव और विकास : अवहट्ट और पुरानी हिन्दी का सम्बन्ध, काव्य-भाषा के रूप में अवधी और ब्रज का विकास, खड़ी बोली का साहित्यिक भाषा के रूप में रूपान्तरण तथा राष्ट्रभाषा के रूप में विकास, राजभाषा के रूप में हिन्दी : नियोजन, विकास और समस्याएँ, हिन्दी भाषा का विस्तार : शिक्षा, ज्ञान और तकनीक की भाषा, हिन्दी भाषा-प्रयोग के प्रमुख रूप : बोली, मानक भाषा, सम्पर्क भाषा, राजभाषा-राष्ट्रभाषा, संचार (तकनीक) भाषा।

हिन्दी और उसकी बोलियाँ : अवधी, ब्रज, खड़ी बोली तथा राजस्थानी समूह (मारवाड़ी, मेवाती, ढूँढाड़ी, हाड़ौती, मेवाड़ी, बागड़ी और मालवी), मानक हिन्दी के प्रमुख व्याकरणिक अभिलक्षण।

देवनागरी लिपि : उद्भव, विकास, विशेषताएँ, हिन्दी ध्वनियों एवं देवनागरी लिपि का मानकीकरण, मानक लिपिमाला (वर्णमाला)।

ख-1. **काव्य उपादान :**

शब्द-शक्ति : अभिधा, लक्षणा, व्यंजना

अलंकार : स्वरूप और भेद, अलंकारों की काव्योपयोगिता, प्रमुख अलंकार : यमक, श्लेष, उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, संदेह, भ्रांतिमान, दृष्टान्त, व्यतिरेक, विरोधाभास, असंगति, विशेषोक्ति, विभावना, अन्योक्ति और मानवीकरण।

छन्द : संघटक तत्व और प्रकार, हिन्दी में बहुप्रयुक्त कुछ छंदों का परिचय (लक्षण-उदाहरण) : कवित्त, सवैया, दोहा, सोरठा, अरिल्ल, चौपाई, बरवै, रोला, उल्लाला, छप्पय और कुण्डलिया।

ख-2. **काव्य-गुण :** माधुर्य, ओज और प्रसाद।

रस : स्वरूप और अवयव, विभिन्न रसों का लक्षण-उदाहरण सहित परिचय-विश्लेषण, रस-निष्पत्ति, साधरणीकरण और सहृदय।

बिम्ब, प्रतीक, मिथक और फैंटेसी

ग-1. **व्याकरण :** अर्थ, स्वरूप और इतिहास

शब्द संरचना :	1. संधि, उपसर्ग, प्रत्यय और समास
	2. शब्द-प्रकार-अर्थ, स्रोत और संरचना के आधार पर
	3. शब्द-शुद्धि
ग-2. वाक्य संरचना :	1. पद-परिचय, संज्ञा, सर्वनाम, विशेषण, क्रिया और क्रिया-विशेषण के प्रकार एवं प्रकार्य।
वाक्य-प्रकार :	1. सरल, संयुक्त एवं मिश्र
वाक्य-विन्यास :	1. उद्देश्य एवं विधेय
व्याकरणिक कोटियाँ	बचन, लिंग, पुरुष कारक और वाच्य आदि
वाक्य शुद्धि	

3 URD4

3. B.A. Part-III Urdu

Paper-I (Jadeed Asnafe Adab)

M.M. : 100   3 Hrs.   Min. Pass Marks 36

1. Jadeed Nazam   2. Azad Nazam
3. Moarra Nazam   4. Nasri Nazam
5. Perody   6. Report Taaz Nigari
7. Khaka   8. Inshaiya
9. Khutoot Nigari   10. Savane Nigari

Division of Marks:

Unit I	Ten short answer type question.	20
Unit II	Question on Nazam Nigari	20
Unit III	Question on Perody & Report Taaz Nigari.	20
Unit IV	Question on Khaka & Inshaiya	20
Unit V	Question on Khutoot Nigari & Savaneh Nigari	20
		Total 100

Note: Attempt at least one question from each unit. All the short answer type question of unit I are compulsory.

Books Recommended:

1. Jadeed Urdu Nazm Aur Europi Asrat-By Hamidi Kashmiri
2. Urdu Khake Nigar-By Dr. Sabira Sayeed
3. Urdu Inshaiya-By Dr. Mohd. Hasnain
4. Nai Nazm Ka Safar-By Dr. K. Azmi
5. Urdu Inshayye-By Anwar Sadeed
6. Adab Ka Mutaliya-By Dr. Athar Parveez

Paper-II

(History, Essay and Translation)

M.M. : 100   3 Hrs. Duration   Min. Pass Marks 36

1. Urdu Adab Ka Aaghaz -o-Irtiqa up to 1957.
2. Fort William College Ki Adabi Khidmat.
3. Sir Syed Tehreek
4. Dabistan-e-Delhi
5. Dabistan-e-Lucknow

Books Prescribed for translation from Persian to Urdu:

1. Gulha-e-Farsi Published- By Kitabistan, 30 Chak Road, Allahabad.

Division of Marks:

Unit I	Ten Short Answer type question.	20
Unit II	Essay on a literary topic.	20
Unit III	Translation from English, Hindi & Persian into Urdu	20
Unit IV	Urdu Adab Ka Aghaz-o-Irtiqa Dabistan-e-Delhi & Dabistan-e-Lucknow.	20
Unit V	Question on Sir syed Tehreek, Fort William College.	20
		Total 100

Note: Attempt at least one question from each unit. All the short answer type questions of unit I are compulsory.

Books Recommended:

1. Dacani Adab Ki Taeekh by Dr. Zor
2. Urdu Adab Ki Ek Sadi-by Dr. Syed Abdullah
3. Delhi Ka Dabistane Shairi-by Noorul Hasn Hashmi
4. Luknow Ka Dabistane Shairi-by Abdulla Siddiqi
5. Sir Sayed Aur Aligarh Tehreek-by Khaleeq Nizami
6. Fort William College Ki Adabi Khidmat-by Ubeda Begum

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JAIPUR

4 PERSION

Prose & Poetry

Paper-I

Books prescribed:

1. Nisab-e-Jadeed Farsi Published by Jayyed Press Delhi.

   The following prose section is prescribed:

   Intekab Marzaban Namah - Marzaban Rustam Bin Sharveen

(i) Dastan Barzeegar Bamar

(ii) Dastan Ahoo-wa-Moosh-wa-Uqab

(iii) Dastan Mard Tamaba-Nokhra Nokhara

(iv) Dastan Ahangar-b-Mard Musafir

(v) Dastan Bazargan-Ba-Dost Dana

(vi) Dastan Dehqan-Ba-Pisr-e-Khud

2. Nisab-e-Farsi (Brae-B-A-Sal-e-Suwwum) published by Aligarh Muslim University, Aligarh.

(i) Tareek-e-Tabri-Derzikr Khaber Padshahi Behrum Gour

(ii) Chahar Maqala-Nisami Uruzi

(iii) Chahar Maqla- Firdausi

The following poetry sections are prescribed:

1. Nisab-e-Farsi (Brae-B.A.Sal Suwwum)

(i) Shahnama Firdausi Bazgashtan-Ba-Jang-e-Asfandyar

(ii) Gazliyat

   Farrukhi Yazdi

   Fidae-Sauz-e-Dil

   Pazman

   Maham-Shakista-Khatir

(iii) Manzoomat-

   Parveen Etasami

   (a) Saped-o-Siyah   (b) Asaish-e-Buzargan

2. Nisabe-Jadeed-Farsi published by Jayyed Press, Delhi.

(i) Rubaiyat-e-Umarkhayyam (21 to 30)

(ii)   Intekabe Masnavi-e-Manavi Jalaluddin Rumi

Hikayat Ashique Shudan ....

Unit-1	(A)Ten short answer type questions based on full paper.	10
	(B) Translation of two prose passages out of three into Urdu	10
Unit-2	Translation of two Poetry Passages out of three into Urdu	20
Unit-3	General Question on Prose Writer	20
Unit-4	General Question on Poetry Writer.	20
Unit-5	Summary of prescribed lessons.	20
	Total	100

Note: Unit-I Both A and B questions are compulsory.

B.A. III Paper-II

History of Persian Literature & Translation

M.M. : 100   3 hrs.   Min. Pass Marks. 36

Books Prescribed:

1.   Tarikh-e-Adabiyate-Iran By Raza Zada Shafaq (Urdu Edition/Translated)

2.   Tarikh-e-Adabiyate-Iran By Raza Zada Shafaq (Persian Edition)

3.   Bar Rasi Adabiyate Imruz-e-Iran By Dr. Mohd. Istallami Published By Mussar-e- Intesharat-e- Amir Kabir, Tehran 2536

4.   Shair-ul-Ajm Part I, II, III, IV, V By Shibli Nomani

5.   Modern Persian Prose Literature By H. Khan Shad Published By Cambridge University, Press, 1966

Division of Marks:

Questions Based Upon the following Topics:

Unit-1	(A)Ten short answer type questions based on full paper.	10
	(B) Khan Period	10
	(i) Tarikh-e-Jahankusha	
	(ii)Jama-ul-Tarikh	
	(iii)Tarikh-e-Wassaf	
	(iv) Tarikh-e-Gazidah	
Unit-2	Critical Study of the following Writers & Poets of the 13th Century	20

(i) Rumi

(ii)Sadi

(iii)Iraqui

(iv)Khawaja Nasiruddin Tusi

Unit-3   The Timurid Period   20

(i)Hafiz & his contemporaries

(ii)Critical Study of Obez Zakaniasa Satarist

(iii)Development of Persian Prose Literature During the 15th Century

(iv)Jami and His Works

The Safawi Period

(i)Historical & Political Importance of the Safawi Dynasty

(ii)Study of the Poetry of Mohatsham Kashani The Qajar Period

(iii) A Detailed Critical Study of Mirza Habeeb Qaani

Unit-4   Short Notes on the following Important Histories, Memories &   20
Bigraphics of Qachar Periods

(i) Nasikh-u-Tawarikh

(ii)Tarikh Muntazim Nasri

(iii) Riyazul Arfeen Manmaussafa

(iv) Nama-e-Danishwaran

Unit-5   Translation of Ten Urdu Sentences into Persian   20

Total   100

Note: Unit-I Both A and B questions are compulsory.

ङ. संस्कृत

सामान्य निर्देश :

1. प्रत्येक परीक्षा में दो-दो प्रश्न-पत्र होंगे।
2. प्रत्येक प्रश्न-पत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घंटे होगा।
3. परीक्षा का माध्यम हिन्दी/अंग्रेजी होगा, परन्तु प्रश्न-पत्र केवल हिन्दी में बनाया जायेगा। परीक्षार्थी को यह छूट होगी कि हिन्दी, संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विशेष के लिए भाषा का निर्देश कर दिया है, तो उस प्रश्न का उत्तर उसी भाषा में देना अनिवार्य होगा।
4. संस्कृत को केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।
5. निर्धारित ग्रंथ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जायेंगे।
6. प्रत्येक प्रश्न-पत्र में 10% अंक संस्कृत भाषा में उत्तर के लिए निर्धारित हैं।
7. प्रत्येक प्रश्नपत्र में दो भाग होंगे, जिसमें प्रथम 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घंटे का समय निर्धारित है। छात्र (परीक्षार्थी) को परीक्षा प्रारंभ होते ही सर्वप्रथम 'अ' भाग हल करने के लिए दिया जायेगा तथा एक घंटा समाप्त होते ही पुनः संकलित कर लिया जायेगा। 'ब' भाग का हल उत्तर—पुस्तिका में प्रस्तुत करना है, जिसके पूर्णांक 70 हैं तथा कालावधि 2 घंटे निर्धारित है।

परीक्षा योजना :	न्यूनतम उत्तीर्णांक 72	पूर्णांक 200
प्रथम प्रश्न-पत्र	'अ' भाग के लिए 1 घंटा	अंक 30
	'ब' भाग के लिए 2 घंटा	अंक 70
द्वितीय प्रश्न-पत्र	'अ' भाग के लिए 1 घंटा	अंक 30
	'ब' भाग के लिए 2 घंटा	अंक 70

प्रथम प्रश्न-पत्र : भारतीय दर्शन एवं व्याकरण

प्रथम प्रश्न-पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीयक (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 होगा, जिसके लिए शेष दो घण्टे की अवधि निर्धारित है।

1. श्रीमद्भगवद्गीता (2, 3, 4 अध्याय) — 30 अंक
2. तर्कसंग्रह — 30 अंक
3. व्याकरण-तिङन्त-लघुसिद्धान्तकौमुदी के आधार पर 'भू' धातु के सभी लकारों की रूपसिद्धि तथा एध् एवं समस्त गणों की प्रथम धातुओं की लट्, लोट्, लङ्, व विधि लिङ्, लकारों में — 40 अंक

रूपसिद्धि एवं सूत्रों की सोदाहरण व्याख्या। कुल योग = 100 अंक

अंक-विभाजन

पाठ्यवस्तु	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंकों का योग
2. श्रीमद्भवगद् गीता	05 (लघूतरात्मक)	10	02	20	10+20=30
1. तर्क संग्रह	05 (लघूतरात्मक)	10	02	20	10+20=30
3. व्याकरण तिङ्न्त (बहुविकल्पीय)	10	10	02	30	10+30=40
	20	30	06	70	100

प्रश्न-पत्र निर्माता के लिए निर्देश

1. श्रीमद् भगवद् गीता	'अ' भाग	5 लघूतरात्मक प्रश्न प्रति प्रश्न 2 अंक	10 अंक
	'ब' भाग	प्रश्न सं. 1.-4 श्लोकों में से 2 की सप्रसंग व्याख्या (एक व्याख्या संस्कृत में) अपेक्षित है।	14 अंक
		प्रश्न सं. 2.-2 प्रश्नों में से 1 प्रश्न प्रष्टव्य है।	06 अंक
		प्रश्न सं. 3.2 श्लोकों में से 1 की संस्कृत में सप्रसंग व्याख्या	10 अंक
2. तर्क संग्रह	'अ' भाग	5 लघूतरात्मक प्रश्न प्रति प्रश्न 2 अंक निर्धारित हैं।	10 अंक
	'ब' भाग	प्रश्न सं. 3.-4 में से 2 की व्याख्या अपेक्षित है। इनमें से एक की व्याख्या संस्कृत में अपेक्षित है।	14 अंक
		प्रश्न सं. 4.-2 प्रश्नों में से 1 प्रश्न प्रष्टव्य है।	06 अंक
3. व्याकरणतिडन्त	'अ' भाग	10 लघूतरात्मक प्रश्न-प्रति प्रश्न 1 अंक निर्धारित हैं।	10 अंक
	'ब' भाग	प्रश्न सं. 5.-10 सूत्र पूछकर किन्हीं 5 की सोदाहरण व्याख्या अपेक्षित है। प्रति व्याख्या हेतु 2 अंक निर्धारित हैं।	10 अंक
		प्रश्न सं. 6.-10 शब्द सिद्धि पूछकर किन्हीं 5 शब्दों की सूत्र निर्देश पूर्वक सिद्धि। प्रत्येक सिद्धि हेतु 2 अंक निर्धारित हैं।	10 अंक

कुल योग = 100

सहायक पुस्तकें :

(क) तर्क-संग्रह : अन्नभट्ट रचित
    1. तर्क-संग्रह : वोड़ासस, पूना
    2. तर्क-संग्रह : चौखम्बा प्रकाशन, वाराणसी

(ख) गीता

(17)

1. भगवद्गीता—गीता प्रेस गोरखपुर
2. भगवद्गीता, विनोद पुस्तक मंदिर, आगरा।
3. गीता रहस्य– तिलक
4. भगवद्गीता 2,3,4 अध्याय-डॉ. शिवसागर त्रिपाठी।
5. श्रीमद्भगवेद्गीता (2,3,4 अध्याय)-व्याख्याकार –डॉ. राजेन्द्रप्रसाद शर्मा, जगदीश संस्कृत पुस्तकालय, जयपुर।

(ग) व्याकरण

1. लघुसिद्धांत कौमुदी-तिड्न्त प्रकरण—डॉ. पुष्करदत्त शर्मा, अजमेरा, बुक कम्पनी, जयपुर।
2. लघुसिद्धांत कौमुदी-पं. श्री हरेकान्त मिश्र, भारतीय विद्या प्रकाशन, दिल्ली।
3. पाणिनीय व्याकरण का अनुशीलन—आर.एस. भट्टाचार्य, इंडोलोजिकल बुक हाउस, बनारस।
4. लघुसिद्धांत कौमुदी-हिन्दी व्याख्या-डॉ. अर्कनाथ चौधरी, आयुर्वेद हिन्दी संस्कृत पुस्तक भण्डार, जयपुर।
5. लघुसिद्धान्तकौमुदी–भीमसेन शास्त्री
6. लघुसिद्धान्तकौमुदी–महेशसिंह कुशवाह
7. लघुसिद्धान्तकौमुदी—तिडन्त प्रकरण-डॉ. सुभाष वेदालंकार, अलंकार प्रकाशन, जयपुर।
8. तर्कसंग्रह–व्याख्याकार–डॉ. दयानन्द भार्गव, मोतीलाल बनारसीदास, नई दिल्ली।

द्वितीय प्रश्नपत्र–काव्य, धर्मशास्त्र एवं निबन्ध

द्वितीय प्रश्नपत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 होगा, जिसके लिए शेष दो घण्टे की अवधि निर्धारित है।

पाठ्यक्रम

1. रघुवंश छठा सर्ग (इंदुमति स्वयंवर)   16 अंक
2. महाभारत (व्यास) उद्योगपर्व, विदुरनीति (34-35 अध्याय)   16 अंक
3. रामायण (वाल्मीकि) बालकाण्ड, प्रथम सर्ग   14 अंक
4. इन्द्रविजय, नामधेय प्रकरण, पं. मधुसूदन ओझा   14 अंक
5. मनुस्मृति, द्वितीय अध्याय   25 अंक
6. निबंधरचना – संस्कृत में   15 अंक

योग 100 अंक

अंक-विभाजन

	'अ' भाग प्रश्न संख्या	'अ' भाग के अंक	'ब' भाग प्रश्न संख्या	'ब' भाग के अंक	योग
1. रघुवंश छठा सर्ग (इन्दुमति स्वयंवर)	03	06 (लघूत्तरात्मक)	02	10	6+10=16
2. महाभारत (विदुरनीति)	03	06 (लघूत्तरात्मक)	02	10	6+10=16

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3. रामायण बालकाण्ड	02 (लघूत्तरात्मक)	04	02	10	4+10=14
4. इन्द्रविजय	02 (लघूत्तरात्मक)	04	02	10	4+10=14
5. मनुस्मृति	10 (बहु.)	10	02	15	10+15=25
6. निबन्ध	-	-	01	15	15
	20	30	11	70	100

प्रश्न-पत्र निर्माता के लिए निर्देश

1. रघुवंश छटा सर्ग (इन्दुमति स्वयंवर)	'अ' भाग	3 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	06 अंक
	'ब' भाग	प्र.स. 1.-2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या	05 अंक
		प्रश्न सं. 2.-2 प्रश्न पूछकर किसी एक का उत्तर अपेक्षित है।	05 अंक
2. महाभारत विदुर नीति	'अ' भाग	3 लघूत्तरात्मक प्रश्न – प्रति प्रश्न 2 अंक निर्धारित है।	06 अंक
	'ब' भाग	प्रश्न सं. 3.-2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या	05 अंक
		प्रश्न सं. 4.-2 श्लोक पूछकर किसी एक का उत्तर अपेक्षित है।	05 अंक
3. रामायण	'अ' भाग	2 लघूत्तरात्मक प्रश्न – प्रति प्रश्न 2 अंक निर्धारित है।	04 अंक
	'ब' भाग	प्रश्न सं. 5.-2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या	05 अंक
		प्रश्न सं. 6.-2 प्रश्न पूछकर किसी एक का उत्तर अपेक्षित है।	05 अंक
4. इन्द्रविजय	'अ' भाग	2 लघूत्तरात्मक प्रश्न-प्रति प्रश्न 2 अंक निर्धारित है।	04 अंक
	'ब' भाग	प्रश्न सं. 7.-2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या,	05 अंक
		प्रश्न सं. 8.-2 प्रश्न पूछकर किसी एक का उत्तर अपेक्षित है।	05 अंक
5. मनुस्मृति	'अ' भाग	10 बहुविकल्पीय प्रश्न-प्रति प्रश्न 1 अंक निर्धारित हैं।	10 अंक
	'ब' भाग	प्रश्न सं. 9.-4 श्लोक पूछकर उनमें से किसी 2 की सप्रसंग व्याख्या, प्रति श्लोक व्याख्या हेतु 5 अंक निर्धारित	1) अंक
		प्रश्न सं. 10.-2 प्रश्न पूछकर किसी एक का उत्तर अपेक्षित है।	05 अंक
6. निबंध	'ब' भाग	4 विषय देकर उनमें से किसी 1 विषय	

पर संस्कृत में निबन्ध-लेखन। 15 अंक

| कुल योग | 100 अंक |

सहायक पुस्तकें

रघुवंश—

1. रघुवंश छठा सर्ग

महाभारत (विदुर नीति)

1. विदुरनीति–डॉ. कृष्णकान्त शुक्ल, साहित्य भंडार, मेरठ
3. विदुरनीति–श्री रेवतीरमण शास्त्री, यूनिक ट्रेडर्स, जयपुर

रामायण

1. रामायण–वाल्मीकिकृत–गीताप्रेस, गोरखपुर
2. रामायण–वाल्मीकिकृत–के.पी.पख, निर्णयसागर प्रेस, बम्बई।
3. रामयणकालीन भारत–व्यास एवं पाण्डेय, आत्माराम एंड संस, दिल्ली।
4. लेक्चर्स ऑन रामायण–मद्रास साहित्य अकादमी, मद्रास।

मनुस्मृति

1. मनुस्मृति : हरगोविन्दशास्त्री
2. मनुस्मृति : रामेश्वरभट्ट कृत–चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
3. मनुस्मृति : जगदीशलाल शास्त्री, मोतीलाल बनारसीदास, दिल्ली
4. मनुस्मृति : डॉ. गजानन्द शास्त्री, चौखम्बा संस्कृत प्रतिष्ठानम्, दिल्ली
5. मनुस्मृति : व्याख्याकार–निर्मलमोहिनी पाण्डेय, सम्पादक–ओमप्रकाश पाण्डेय,–चौखम्बा संस्कृत प्रतिष्ठानम्, दिल्ली
6. मनुस्मृति : 'मणिप्रभा' हिन्दी व्याख्या सहित–चौखम्बा संस्कृत प्रतिष्ठानम्, दिल्ली

इन्द्रविजय

1. इन्द्रविजय–व्याख्याकार पं. रामप्रपन्न शर्मा, प्रकाशक–जगदीश संस्कृत पुस्तकालय, जयपुर
2. इन्द्रविजय–डॉ. श्रीकृष्ण ओझा–राजप्रकाशन मन्दिर, चौडा रास्ता, जयपुर

निबन्ध–रचना

1. प्रबन्ध रत्नाकर–श्री आर. सी. शुक्ल
2. प्रस्ताव तरंगिनी–श्री वासुदेव शास्त्री
3. संस्कृत निबन्धरत्नाकर–शिवप्रसाद भारद्वाज
4. संस्कृत निबन्धकलिका–डॉ. रामजी उपाध्याय
5. संस्कृत निबन्धादर्श–डॉ. राममूर्ति शर्मा
6. संस्कृत निबन्ध एवं व्याकरण–पं. चण्डीप्रसाद
7. निबन्ध-चन्द्रिका–कृष्णदेव उपाध्याय–चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
8. निबन्ध-निवेश–रामअवध शास्त्री–चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
9. निबन्ध-शतकम्–कपिलदेव द्विवेदी–चौखम्बा विद्या भवन, वाराणसी
10. निबन्धमंजरी–डॉ. राममूर्ति आचार्य–आगरा प्रकाशन, दिल्ली
11. निबन्धआदर्श–म.म. श्री गिरिधर शर्मा चतुर्वेदी–चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।
12. संस्कृत निबन्ध रचना–डॉ. श्रीकृष्ण ओझा–राज प्रकाशन मन्दिर
13. संस्कृत निबन्ध पारिजात–डॉ. सुभाष वेदालंकार, अलंकार प्रकाशन
14. संस्कृत निबन्ध–डॉ. नन्दकिशोर गौतम एवं श्री कृष्ण बिहारी भारतीय

अथवा

द्वितीय प्रश्न-पत्र 'ब'–भारतीय ज्योतिष, तिथि निर्णय एवं पंचांग परिचय

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JAIPUR

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इस प्रश्न-पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबंधात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 होगा, जिसके लिए शेष दो घंटे की अवधि निर्धारित है। 10 अंक संस्कृत भाषा के माध्यम से उत्तर देने के लिए निश्चित हैं।

पाठ्यक्रम

1. भारतीय ज्योतिष के प्रारम्भिक सिद्धान्तों का परिज्ञान   70 अंक
   - क- शीघ्रबोध (काशीनाथ देवज्ञ)-प्रथम प्रकरण
     (लतापातादि दस दोष रहित)   30 अंक
   - ख- फलित प्रबोधिनी (विनोद शास्त्री)   40 अंक

2. तिथि-निर्णय के सामान्य सिद्धान्त, प्रमुख व्रतपर्व तथा पंचांग का सामान्य परिचय-काल के छ: भेद, वर्ष के पाँच भेद, अयन, ऋतु, मास, पक्ष, तिथि, क्षय, वृद्धि, चौघड़िया विचार संक्रांति निर्णय, दानादि, अधिकमास-क्षसमास में वर्ज्यावर्ज्य, मलमास, कर्म के भेद एवं निर्णय, प्रदोष व्रत, जन्माष्टमी, गणेशचतुर्थी, रामनवमी, नवरात्र स्थापना, महालय (श्राद्ध), दीपावली, होलिका आदि का सामान्य ज्ञान अपेक्षित है। पंचांग परिचय में तिथि, वार, नक्षत्र, वार, योग, करण का ज्ञान तथा पंचांग की सहायता से गुण मिलान, विवाह मुहूर्त निर्णय गृहारम्भ, गृहप्रवेश चौघड़िया विचार, व्यापार प्रारम्भ मुहूर्त आदि जानने की रीति का ज्ञान अपेक्षित है।   30 अंक

अंक-विभाजन

	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंकों का योग
1. (क) शीघ्रबोध	03 (लघू.)	06	03	21	9+21=30
	03 (बहु.)	03			
(ख) फलित प्रबोधिनी	04 (लघू.)	08	02	28	12+28=40
	04 (बहु.)	04			
2. तिथि-निर्णय व पंचांग परिचय	03 (लघू.)	06	03	21	9+21=30
	03 (बहु.)	03			
	20	30	07	70	100

प्रश्न-पत्र निर्माता के लिए निर्देश

1. भारतीय ज्योतिष (क) शीघ्र बोध	'अ' भाग	3 लघू. प्रश्न-प्रति प्र. 2 अंक।	06 अंक
		03 बहु. प्र.-प्रति प्रश्न 1 अंक निर्धारित	03 अंक
	'ब' भाग	प्र. सं. 1,2,3-6 निबंधात्मक प्रश्न पूछकर 3 प्रश्नों के उत्तर अभीष्ट- प्रति प्रश्न 7 अंक निर्धारित	21 अंक
(ख) फलित प्रबोधनी	'अ' भाग	04 लघू. प्रश्न प्रति प्रश्न 2 अंक।	
		04 बहु. प्रश्न-प्रति प्रश्न 1 अंक निर्धारित।	12 अंक
	'ब' भाग	प्र.सं. 4,5-4 निबंधात्मक प्रश्न पूछकर 2 प्रश्नों का उत्तर अभीष्ट प्रति प्रश्न 14 अंक निर्धारित	28 अंक
2. तिथि-निर्णय व	'अ' भाग	3 लघू. प्रश्न प्रति प्रश्न 2 अंक।	

	पंचांग परिचय	03 बहु. प्रश्न-प्रति प्रश्न 1 अंक	
		निर्धारित।	09 अंक
'ब' भाग		प्र.सं. 6-2 निबंधात्मक प्रश्न पूछकर	
		1 प्रश्न का उत्तर अभीष्ट (पंचांग परिचय संस्कृत में)	10 अंक
		प्रश्न सं. 7-2 निबंधात्मक प्रश्न	
		पूछकर 1 प्रश्न का उत्तर अभीष्ट	11 अंक

सहायक पुस्तकें—

1. शीघ्र बोध–पं. काशीनाथ देवज्ञ, चौखम्भा प्रकाशन, वाराणसी
2. फलित प्रबोधिनी–डॉ. विनोद शास्त्री, राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, जयपुर।
3. तिथि–निर्णय के प्रमुख सिद्धान्त एवं विशिष्ट तिथि पर्व-निर्णय–प्रकाशक–राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, त्रिपोलिया, जयपुर।
4. पंचांग का सामान्य परिचय–पं. शिवचरण शास्त्री एवं विकास शर्मा, प्रकाशक–राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, त्रिपोलिया, जयपुर
5. विभिन्न प्रकाशित पंचांगों की सहायता भी ग्राह्य है, जिनमें जयपुर पंचांग पं. दामोदर शर्मा कृत ग्राह्य है।

6. PHILOSOPHY

Paper Scheme:

Two Papers	Min. Pass Marks 72	Max. Marks 200
Part I	3 hrs. duration	Max. Marks 100
Paper II	3 hrs. duration	Max. Marks 100

General Instruction :

1. There shall be two question papers : Paper I and Paper II.
2. Both the question papers will be in two parts : Part I & Part II.
3. Part I of the question paper will be of 40 marks in total. This part will consist of two compulsory questions, with no internal choice, and shall be answered in the question paper itself. In this part two questions will be asked. Each question will be of 20 marks. These questions will cover the entire units/text and there will be no unit wise division of the questions asked in this part.
4. The first question of the part I will have twenty questions in total. Each question will be of one mark. Not less then 13 questions will be of multiple choice type. The remaining questions may be of the nature of one word type. Examiners can also ask all 20 questions of multiple choice type only. Student will write one word answer of one word question in the space provided in the first question of the part I of the question paper.
5. The second question of the part I of the question paper will have 10 questions. Each question will be of two marks and the answer of each question must not be more than twenty words. Students will also answer these questions in the space given in the second question of the Part I of the question paper. Marks may be deducted if the word limit of the answer is not under given unit.

6. Part II of the question paper will be of 60 marks; if syllabus (course contents) of a paper is divided into two sections i.e. Part/Section I and Part/Section II, then this part of the question paper will comprise of Essay type questions in which six questions will be asked in total; three questions from each part/section. Student will be asked to attempt three questions in total and at least one question from each part/section. Each question will be of 20 marks. Students will answer these essay type questions of part II of the question paper, in the answer sheet only.

7. If syllabus (course contents) of a paper is divided into three sections i.e. A, B & C then in the Part II of the question paper, which comprises of Essay type questions. six questions will be asked in total and two questions from each section. Students will be required to attempt three questions in total and one question from each section. This part of the question paper will be of 60 marks and student will answer these questions in answer sheet only.

8. In paper II "Plato's Republic", the questions of both the parts of the question paper shall cover the entire text. Thus there will be no internal unit wise division of the questions of both the parts of such paper.

Paper I : Philosophy of Religion

Unit A:

Teaching Hrs.: 35

Topics	Division of teaching hrs.
1. Philosophy of religion : nature and concern.	5
2. Religion : origin and types, religion without God: atheism, theism, deism, pantheism.	15
3. Reason, faith and revelation	7
4. The concept of dharma	8

Unit B:

Teaching Hrs.: 30

1. God: omniscience, omnipotence, omnipresence, eternity, goodness.	8
2. Problem of evil.	6
3. Proofs for the existence of God: Indian and Western.	16

Unit C:

Teaching Hrs.: 25

1. Prayer and bhakti.   3

2. Immortality of the soul, transmigration and the doctrine
   of karma.   6

3. Religious experience : Brahmanubhava, mysticism.   6

4. Religious language : cognitivist and non-cognitivist debate.   10

Suggested Readings:

John Hick   : Philosophy of Religion (Hindi Translation available)

McPherson   : The Philosophy of Religion.

John Hick(Ed)   : Classical and Contemporary Readings in Philosophy of Religion

Harendra Prasad   : धर्मदर्शन की रूपरेखा
Sinha

Yaqub Masih   : Religious Philosophy (Hindi edition available)
      समकालीन धर्म दर्शन

H.N. Mishra   : धर्मदर्शन का परिचय

Paper II : Plato
(Total Teaching Hrs.: 90)

Prescribed Reading   : The Republic

Suggested Readings:

Jowett B.   :   The Republic, Oxford.

Nettleship R.L.   : Lectures on the Republic of Plato,
        MacMillan.

Dr. Zakir Hussain   : रियासत

Paper III : Samkhya Yoga
(Total Teaching Hrs.: 90)

Unit A:
Teaching Hrs.: 55

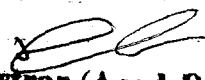| Topics	Division of teaching hrs.
1. Isvarkrsna's Samkhya Karika with Vaschaspati Mishra's Commentary Samkhya Tattva Kaumudi.	55

Unit B:
Teaching Hrs.: 35

1. Patanjali Yoga Sutra, Pada. 1	15
2. Pada 2	15
3. Pada 3 (sutras 1 to 3 only)	5

Books Prescribed :

  : Isvarkrsna, Samkhya Karika with Vaschaspati Mishra's
   Commentary Samkhya Tattva Kaumudi (Hindi translation

available). Translation into English by Ganga Nath Jha, revised edition by M.M. Patkar, Oriental Series, Pune

Patanjali Yoga Sutra, pada. 1 and 2 and Sutras 1 to 3 of Pada 3.

(Hindi translation available) English Trans. by Prasad Ram Chaukhambha, Varanasi, 1986 by Christopher Chappel and Yogi Anand, IBC, New Delhi.

Paper IV : Logic (Indian)
(Total Teaching Hrs.: 90)

Unit A:
Teaching Hrs.: 40

Topics	Division of teaching hrs.
1. Theories of inference in Nyaya : definition-constituents process and types of anumana, Paramarsa, Vyapti, Types of Vyapti & Vyaptigrahopaya, Major Hetvabhasa.	40

Unit B:
Teaching Hrs.: 30

Topics	Division of teaching hrs.
1. Theories of inference in Buddhism: definition-constituents process and types of anumana, Vyapti & types of Vyapti Major Hetvabhasa.	30

Unit C:
Teaching Hrs.: 20

Topics	Division of teaching hrs.
1. Theories of inference in Jainism : definition-constituents process and types of anumana, Vyapti & Major Hetvabhasa 20	

Suggested Readings:

Annambhatta	: Tarkasangraha
Dharmakirti	: Nyayabindu.
Yasovigaya	: Jaina Tarka Bhasa.
S.S. Barlingay	: A Modern Introduction to India Logic.
B.K. Matilal	: Logic, Language and reality.
S.K. Maitra	: Fundamental Questions of Indian Metaphsyics & Logic
F.Th. Stchebatsky	: Buddhist Logic, Vols. I & II

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C. Bhattacharya : Elements of Indian Logic Epistemology
S. Chatterjee : Nyaya Theory of Knowledge.
R. Prasad : Buddhist Logic.

Paper V : Emerging Trends of Thought
(Total Teaching Hrs.: 90)

Unit A: Feminism
Teaching Hrs.: 35

Topics	Division of teaching hrs.
1. Philosophy & Feminism, Definition of Gender: Gender as a social/cultural construct.	8
2. Development of Feminist Consciousness & its different Phases	8
3. Personal and Social Identity,	4
4. Aristotle, Manu and Gandhi's view on women.	15

Unit B: Peace Studies
Teaching Hrs.: 25

Topics	Division of teaching hrs.
1. Peace as non-violence, Gandhi's contribution to peace: satyagraha & civil disobedience.	10
2. Roots and forms of violence	7
3. Peace as a value in religion.	8

Unit C: Human Rights
Teaching Hrs.: 30

Topics	Division of teaching hrs.
1. Definition, nature, Content, Legitimacy and priority of Human Rights.	15
2. Human Rights in the Indian Constitution and Fundamental Rights & Directive Principles of State Policy	15

SUGGESTED READINGS :

Susie Tharu & V. : Women's Writing in India, Delhi : Oxford University Press, 1991.

Rosemarie Tong : The Science Question in Feminism, Open University Press, 1986.

Mary Evans : Introducing Contemporary Feminist Thought, Cambridge : Polity Press, 1997.

Vandana Shiva : Ecofeminism, (MIES), Zed Books, 1993

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Gayatri Chakravarty Spivak	: In Other Words : Essays in Cultural Politics, London : Routledge, 1990
Veena Ponnacha	: Gender Within the Human Rights Discourse.
Morwenna Griffiths	: Feminism and the Self: The Web of Identity
Allan Wingate	: Human Rights - Comment and Interpretation, UNESCO, 1949
Philip Alston (ed._	: The United Nations and Human Rights : A Critical Appraisal, Oxford: Clarendon Press, 1992.
Danilo Turk	: The New International Economic Order and the Promotion of Human Rights, UNESCO, 1990.

European Convention on Human Rights (ECHR).

International Convenant on Civil and Political Rights (ICCPR).

International Convenant on Economic, Social and Cultural Rights (ICESCR).

Universal Declaration of Human Rights (UDHR).

Steve Marks	: Peace, Development &Human Rights Education
Magnus Haavelsred	: Peace Education
K.S. Murthy	: The Quest for Peace
Thomas Weber	: Conflict Resolution and Gandhian Ethics
Gene Sharp	: Politics of Non-violent Action
Radha Krishna	: Recovery & faith
Radha Krishna	: Eastern Religions and Western thought
Bhagwan Das	: The Essential unity of Religion
Mahatma Gandhi	: My religion
Y. Masih	: Contemporary Philosophy of Religion
Upanisads	: Geeta Prem
Vinoba Bhave	: Shanti Senu
Indian Constitution	: Universal Declaration of Human Rights

III HISTORY

Scheme :

		Maximum Marks 200
		Minimum Pass Marks 72
Paper I	3 hrs. duration	Marks 100
Paper II	3 hrs. duration	Marks 100

Note : There shall be two papers in all in the subject of History, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. Part I shall carry 40 marks and shall consist of two compulsory questions. There shall be twenty multiple choice objective type questions of one mark each in the first compulsory question consisting of 20 marks. The second compulsory question consisting of 20 marks will comprise of ten questions of two marks each. These will be short answer questions and answer of each question should be in not more than twenty words. Marks may be deducted if the word limit is exceeded. This part of the question paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

The second part of the question paper shall be divided into three sections comprising of 6 essay type questions, containing 2 questions from each section, of 20 marks each. Candidates will be required to attempt 3 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

परीक्षा योजना :

अधिकतम अंक 200		न्यूनतम उत्तीर्णांक 72
प्रथम प्रश्नपत्र	समय 3 घंटे	अंक 100
द्वितीय प्रश्नपत्र	समय 3 घंटे	अंक 100

नोट : इतिहास विषय के कुल दो प्रश्नपत्र होंगे, प्रत्येक प्रश्नपत्र तीन घंटे की अवधि का एवं 100 अंकों का होगा। प्रत्येक प्रश्नपत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के प्रथम अनिवार्य प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगें। 20 अंकों के द्वितीय अनिवार्य प्रश्न के अन्तर्गत दो-दो अंकों के 10 प्रश्न होंगे। ये सीमित शब्द संख्या वाले प्रश्न होंगे और प्रत्येक प्रश्न का उत्तर अधिकतम 20 शब्दों में दिया जा सकता है। निर्धारित शब्द सीमा से

अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के प्रथम भाग के लिए अधिकतम 1 घंटे की अवधि दी जायेगी तथा इस भाग के प्रश्न, 3 खण्डों में विभाजित सम्पूर्ण पाठ्यक्रम से सम्बन्धित होंगे।

प्रश्नपत्र के द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से, प्रत्येक से दो–दो प्रश्नों का चयन करते हुए, कुल 6 निबंधात्मक प्रकृति के प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रश्नपत्र का यह भाग 60 अंकों का होगा।

PAPER I : HISTORY OF MODERN INDIA (1761 - 1971 A. D)

Section – A

India in the mid-eighteenth century. Maratha confederacy, its strength and weakness – clash with the British and decline of the Marathas. Expansion and consolidation of the British rule – Bengal, Mysore, Awadh, Sind and Punjab – Subsidiary Alliance and Doctrine of Lapse. Establishment of Parliamentary control over East India Company – Regulating Act and Pitt's India Act. Land revenue settlements : permanent, ryotwari and mahalwari. Popular resistance to British rule : outbreak of 1857 – causes, nature and results.

Section – B

British policy after 1858 – development of British Paramountcy. Nature of colonial economy – commercialization of agriculture, decline of cottage industries, drain of wealth and India's poverty. Indian Renaissance, its nature and scope – Socio-religious reform movements – Brahma Samaj, Arya Samaj, Ramkrishna Mission. Indian Freedom Struggle –the first phase : Emergence of Indian Nationalism, Formation of the Indian National Congress – Moderates and Extremists - Gokhale and Tilak. Economic nationalism, Swadeshi Movement. Home Rule Movement. Beginning of Muslim communalism and the Muslim League.

Nationalism under Gandhi's leadership : Gandhi's ideology and methods - Non-cooperation, Civil Disobedience and Quit India Movements. Other strands in the National Movement : Revolutionaries, the Left (Socialists and Communists), Subhash Chandra Bose and the Indian National Army. Peasants', Workers' and Depressed Classes' Movements. Women in the National Movement. The Government of India Acts of 1909, 1919 and 1935. Communal politics and the Partition of India. Pogress and profile of Independent India (1947-1971) : Integration of States. Agrarian reforms, the concept of planned economy and industrialization. Foreign policy of independent India (1947-1971) – non-alignment and Panchsheel.

प्रथम प्रश्नपत्र : आधुनिक भारत का इतिहास (1761–1971 ईस्वी)

खण्ड – क

अठारहवीं शताब्दी के मध्य में भारत। मराठा परिसंघ, इसकी शक्ति एवं दुर्बलता – अंग्रेजों से संघर्ष एवं मराठों का पतन। ब्रिटिश शासन का विस्तार एवं सुदृढ़ीकरण – बंगाल, मैसूर, अवध, सिन्ध एवं पंजाब – सहायक संधियां एवं विलय का सिद्धांत। ईस्ट इंडिया कम्पनी पर संसदीय नियंत्रण की स्थापना – रेग्यूलेटिंग एक्ट एवं पिट्स इंडिया एक्ट। भू-राजस्व बन्दोबस्त : स्थायी, रय्यतबाड़ी एवं महलवाड़ी। ब्रिटिश शासन के प्रति जन प्रतिरोध : 1857 का विप्लव – कारण, प्रकृति एवं परिणाम।

खण्ड – ख

1858 के बाद ब्रिटिश नीति – ब्रिटिश सर्वोपरिता का विकास। औपनिवेशक अर्थव्यवस्था का स्वरूप – कृषि का व्यावसायीकरण, कुटीर उद्योगों का पतन, धन का निष्कासन एवं भारत की निर्धनता। भारतीय पुनर्जागरण : इसकी प्रकृति एवं क्षेत्र – सामाजिक-धार्मिक सुधार आंदोलन – ब्रह्म समाज, आर्य समाज, रामकृष्ण मिशन। भारत का स्वाधीनता संग्राम – प्रथम चरण : भारतीय राष्ट्रवाद का उदय, भारतीय राष्ट्रीय कांग्रेस की स्थापना – नरमपंथी एवं उग्रपंथी – गोखले एवं तिलक। आर्थिक राष्ट्रवाद, स्वदेशी आंदोलन। होम रूल आंदोलन। मुस्लिम सांप्रदायिकता का उदय एवं मुस्लिम लीग।

गांधी के नेतृत्व में राष्ट्रवाद : गांधी की विचारधारा एवं पद्धतियाँ – असहयोग, सविनय अवज्ञा एवं भारत छोड़ो आंदोलन। राष्ट्रीय आंदोलन की अन्य धाराएं : क्रांतिकारी, वामपंथी (समाजवादी एवं साम्यवादी), सुभाष चंद्र बोस एवं इंडियन नेशनल आर्मी। कृषकों, मजदूरों एवं दलित वर्गों के आंदोलन। राष्ट्रीय आंदोलन में महिलाएं। वर्ष 1909, 1919 एवं 1935 के भारत सरकार अधिनियम। साम्प्रदायिक राजनीति एवं भारत का विभाजन। स्वतंत्र भारत (1947–1971) की प्रगति एवं परिदृश्य : राज्यों का एकीकरण, कृषिपरक सुधार, नियोजित अर्थव्यवस्था की अवधारणा एवं औद्योगिकीकरण। स्वतंत्र भारत की विदेश नीति (1947–1971) – गुट निरपेक्षता एवं पंचशील।

Books Recommended (अनुशंसित पुस्तकें) :

Bisheshwar Prasad : Bondage and Freedom, Vol. I and Vol. II

C. A. Bayly : Indian Society and the Making of the British Empire,
Cambridge University Press, 1987.

Sumit Sarkar : Modern India, 1885-1947 , Delhi, 1995 (also in Hindi)

Bipan Chandra : Nationalism and Colonialism in Modern India, Delhi, 1981

A. R. Desai : Peasant Struggles in India, Delhi, 1979

Kenneth Jones : Social and Religious Reform Movement in Modern India,
New Cambridge History, 1989

Ravindra Kumar (ed.) : Social History of Modern India, Delhi, 1983

Anil Seal : Emergence of Indian Nationalism, Cambridge University
Press, 1971

Ranjit Guha &
Gayatri C. Spivak (ed.) : Selected Subaltern Studies, Delhi, 1988

J. Krishnamurti (ed.) : Women in Colonial India, Oxford University Press, 1989

एम.एस.जैन : आधुनिक भारत का इतिहास

सुमित सरकार : आधुनिक भारत : 1885–1947 (अनुवाद)

जगन्नाथ प्रसाद मिश्र : आधुनिक भारत का इतिहास, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ

बिपिन चन्द्र एवं अन्य : भारत का स्वतंत्रता संग्राम , दिल्ली, 1998

: आजादी के बाद का भारत (1947–2000), दिल्ली, 2004

आर.एल. शुक्ल (सं.) : आधुनिक भारत का इतिहास, हिन्दी माध्यम कार्यान्वयन निदेशालय,
दिल्ली विश्वविद्यालय, दिल्ली

PAPER II : HISTORY OF MODERN WORLD (1500 – 2000 A.D)

Section - A

Renaissance and the beginning of the modern era. Reformation and Counter-Reformation. Economic changes - Feudalism to Capitalism. The American Revolution – causes, nature and consequences. The French Revolution – causes, main events, and impact. Evaluation of Napoleon Bonaparte. Industrial Revolution – causes, processes and impact.

Section – B

Rise of Nationalism in the 19th century. National unification of Germany and Italy. Age of conservatism and Revolutions of 1830 and 1848 in Europe. Growth of Imperialism and Colonialism – exploitation of New World with special reference to countries of Asia and Africa. Eastern question and its complexities for Europe. Nature of European Imperialism in China. Revolution of 1911 in China – principles of Sun-yat-sen. Modernisation of Japan in the 19th century. First World War – causes and consequences. League of Nations.

Section – C

The Russian Revolution of 1917. The Great Economic Depression and Recovery. Fascism in Italy and Nazism in Germany. Second World War. United Nations Organisation – objectives, achievements, limitations. The Chinese Revolution of 1949. Cold War. Emergence of Third World and Non-Alignment. Arab World (Egypt), South-East Asia (Vietnam), Africa – Apartheid to Democracy. Soviet Disintegration and the Unipolar World. Globalisation and its impact.

द्वितीय प्रश्नपत्र : आधुनिक विश्व का इतिहास (1500–2000 ईसवी)

खण्ड – क

पुनर्जागरण एवं आधुनिक युग का प्रारंभ। धर्मसुधार आंदोलन एवं प्रति-धर्मसुधार आंदोलन। आर्थिक परिवर्तन – सामंतवाद से पूंजीवाद। अमेरिका की क्रांति – कारण, प्रकृति एवं परिणाम। फ्रांस की क्रांति – कारण, मुख्य घटनाएं एवं प्रभाव। नेपोलियन बोनापार्ट का मूल्यांकन। औद्योगिक क्रांति – कारण, प्रक्रियाएँ एवं प्रभाव।

खण्ड – ख

19वीं शताब्दी में राष्ट्रवाद का उदय। जर्मनी एवं इटली का राष्ट्रीय एकीकरण। रूढ़िवादिता का युग एवं यूरोप में 1830 एवं 1848 की क्रांतियाँ। साम्राज्यवाद एवं उपनिवेशवाद का विकास – नव विश्व का शोषण, एशिया एवं अफ्रीका के देशों के विशेष संदर्भ में। पूर्वी समस्या एवं यूरोप के लिए उसकी जटिलताएँ। चीन में यूरोपीय साम्राज्यवाद की प्रकृति। चीन में 1911 की क्रांति – सन यात सेन के सिद्धांत। 19वीं शताब्दी में जापान का आधुनिकीकरण। प्रथम विश्व युद्ध – कारण एवं परिणाम। राष्ट्रसंघ।

खण्ड – ग

1917 की रूसी क्रांति। आर्थिक महामंदी एवं समाधान। इटली में फासीवाद एवं जर्मनी में नाजीवाद। द्वितीय विश्व-युद्ध। संयुक्त राष्ट्र संघ – उद्देश्य, उपलब्धियाँ, सीमाएं। 1949 की चीनी क्रांति। शीत-युद्ध। तृतीय विश्व का अभ्युदय एवं गुट-निरपेक्षता। अरब विश्व (मिस्र), दक्षिण-पूर्व एशिया (वियतनाम), अफ्रीका – रंगभेद से लोकतंत्र की ओर। सोवियत विघटन एवं एकध्रुवीय विश्व। भूमण्डलीकरण एवं उसका प्रभाव।

Books Recommended (अनुशंसित पुस्तकें) :

A. G. Dickens : *The Age of Humanism and Reformation*, New Jersey, 1972

Christopher Hill : *From Reformation to Industrial Revolution*, Penguin, 1970

H. B. Parks : *The United States of America – A History*, Indian Reprint, Calcutta, 1976

Georges Lefebvre : *Coming of the French Revolution*, Princeton, 1989

C. D. Hazen : *Modern Europe to 1945*, Indian Reprint, Delhi, 1977

David Thompson : *Europe since Napoleon*, Penguin, 1966

George Vernadsky : *A History of Russia*, 1961

Harold M. Vinacke : *A History of the Far East in Modern Times*, Indian Reprint, Ludhiana

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A. J. P. Taylor	:	*The Origins of the Second World War*
H. A. Davies	:	*Outline History of the World*, 1968.
J. E. Swain	:	*A History of World Civilisation*, Indian Reprint, New Delhi, 1994
Louis L. Synder	:	*The Making of Modern Man*, Princeton, 1967
बनारसी प्रसाद सक्सेना	:	*अमेरिका का इतिहास*, पटना, 1972
सी.डी. हेजन	:	*आधुनिक यूरोप का इतिहास*, (अनुवाद), आगरा
देवेन्द्र सिंह चौहान	:	*यूरोप का इतिहास (1815–1919)*, भोपाल, 1995
जॉर्ज वर्नादस्की	:	*रूस का इतिहास* (अनुवाद), भोपाल, 1971
हेराल्ड एम. विनाके	:	*पूर्व एशिया का आधुनिक इतिहास* (अनुवाद), लखनऊ, 1982
एस.पी. पांथरी	:	*पूर्व एशिया का संक्षिप्त इतिहास, खण्ड I (19वीं शताब्दी) एवं खण्ड II (20 वीं शताब्दी)*, लखनऊ, 1973 एवं 1974
के.के. कौल		*पश्चिमी एशिया का आधुनिक इतिहास : 1808–1973*, लखनऊ, 1977
पार्थसारथि गुप्ता	:	*यूरोप का इतिहास*, हिन्दी माध्यम कार्यान्वयन निदेशालय, दिल्ली विश्वविद्यालय, दिल्ली

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8 POLITICAL SCIENCE

नोट: प्रश्न पत्र की कुल अवधि 3 घण्टे होगी।

प्रश्न–पत्र के दो भाग होंगे। प्रथम भाग 40 अंको का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंको के एक प्रश्न में एक–एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो–दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न–पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न–पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न–पत्र के इस प्रथम भाग के दोनों प्रश्न 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न–पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे।

प्रश्न–पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो–दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंको का होगा। प्रश्न–पत्र का यह भाग 60 अंको का होगा।

प्रथम प्रश्न–पत्र: प्रतिनिधि पश्चिमी राजनीतिक विचारक

खण्ड 'क'

प्लेटो, अरस्तू व एक्वीनास

खण्ड 'ख'

मेकियावली हॉब्स, लॉक व रूसो

खण्ड 'ग'

वेन्थम, जे एस मिल, मार्क्स एवं हैराल्ड. जे. लास्की।

अनुशंसित पुस्तके :

- जार्ज एच. सेबाइन : ए हिस्ट्री ऑफ पोलिटिकल थ्योरी (हिन्दी व अंग्रेजी)
- सी एल वेपर : पोलिटिकल थॉट
- जे पी सूद : वेस्टर्न पोलिटिकल थॉट
- फास्टर : मास्टर्स ऑफ पोलिटिकल थॉट

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(36)

- इनिंग : हिस्ट्री ऑफ़ पोलिटिकल थॉट
- पाण्डे शर्मा : राजनीतिक विचारक
- पुखराज जैन : कतिपय प्रमुख राजनीतिक विचारक
- इनिंग : ए हिस्ट्री ऑफ़ पोलिटिकल थ्योरीज
- एफ़ डब्ल्यू काकर : रीसेन्ट पोलिटिकल थॉट

Paper-I : Representative Western Political Thinkers

Scheme	Min. Pass Marks 72	Marks: 200
Paper- I	3 hrs. Duration	100 Marks
Paper- II	3 hrs. Duration	100 Marks

Note: The question paper shall be of 3 hours duration. The Question Paper shall contain two Parts:

Part-A Shall be compulsory containing 2 question of 20 marks. each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 question of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 works. This part of the Question Paper shall be of one hour Duration. The questions in this part can be asked from the entire course.

Part-B of the Question Paper shall have 2 questions of descriptive type from each of the 3 sections and shall carry 60 marks. The candidates shall be required to attempt one question of 20 marks from each section.

Section- A

Plato. Aristotle and Aquinas

Section- B

Machiavelli. Hobbes. Locke and Rousseau

Section- C

Bentham. J.S. Mill. Karl Marx. and Herold J. Laski

Books recommended:

- A. Hacker : Political, Theory
- G.H. Sabine : History of Political Theory
- C. Wayper . Political Thought
- Foster : Master of Political Thought Vol. I
- Jones : Master of Political Thought Vol. II

- Lancaster : Master of Political Thought Vol. III
- Chaddha : Pramukh Rajnitik Vicharak (Adarsh Prakashan)
- P.D. Sharma : Pratinidhi Rajnitik Vicharak
- Pukh Raj Jain : Katipay Pramukh Rajnitik Vicharak.

द्वितीय प्रश्न–पत्रः द्वितीय विश्वयुद्धोत्तर अन्तर्राष्ट्रीय संबंधः

Scheme	Min. Pass Marks 72	Marks: 200
Paper- I	3 hrs. Duration	100 Marks
Paper- II	3 hrs. Duration	100 Marks

नोटः प्रश्न पत्र की कुल अवधि 3 घण्टे होगी।

प्रश्न–पत्र के दो भाग होंगे। प्रथम भाग 40 अंको का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंको के एक प्रश्न में, एक–एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो–दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काट जा सकेंगे। प्रश्न–पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न–पत्र के इस भाग के लिए निर्धारित रहेगी।

प्रश्न–पत्र के इस प्रथम भाग के दोनों प्रश्न 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न–पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे।

प्रश्न–पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो–दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंको का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

खण्ड 'क'

द्वितीय विश्वयुद्धात्तर अन्तर्राष्ट्रीय प्रवृत्तियाँ, शीत युद्ध, संयुक्त राष्ट्र संघ संगठन कार्य प्रणाली एवं भूमिकः संयुक्त राज्य अमेरिका व तृतीय विश्व गुट निरपेक्ष आंदोलन साम्यवादी खेमे का विघटन, यूरोप का पुनर्गठन।

खण्ड 'ख'

विदेश नीतियाँ संयुक्त राज्य अमेरिका, चीन, भारत व रूस।

खण्ड 'ग'

अन्तर्राष्ट्रीय राजनीति में सम-सामयिक प्रवृतियाँ, व मुद्दे - फिलीस्तीन समस्या व अरब इजराइल संबंध, तेल राजनीति व खाड़ी संकट, अफगानिस्तान समस्या, नवीन विश्व अर्थव्यवस्था, एशिया में क्षेत्रीय सहयोग के लिए संगठन एसिआॅन (दक्षिण-पूर्वी एशियाई राष्ट्र, संगठन) एवं सार्क (दक्षिण एशियाई क्षेत्रीय सहयोग संगठन)
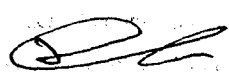
अनुशंसित पुस्तके :

- ब्लक एण्ड थॉमसन फारेन पॉलिसी
- जॉरडन कॉनेल स्मिथ : पेन्टर्स ऑव दी पोस्ट वर्ल्ड पॉलिटिक्स सिंस 1982
- डेनियन एस पप सोवियत परसेप्शन ऑव दी डवलपिंग वर्ल्ड इन 1980
- डॉ मथुरालाल शर्मा अन्तर्राष्ट्रीय सम्बन्ध (1945 से अब तक)
- महेन्द्र कुमार अन्तर्राष्ट्रीय राजनीति के सैद्धांतिक पक्ष (हिन्दी व अंग्रेजी)
- पी. के. वड्डा अन्तर्राष्ट्रीय सम्बन्ध (आदर्श प्रकाशन, चौडा रास्ता जयपुर)
- बाबूलाल फडिया अन्तर्राष्ट्रीय सम्बन्ध
- पुखराज जैन अन्तर्राष्ट्रीय सम्बन्ध
- दीनानाथ वर्मा अन्तर्राष्ट्रीय सम्बन्ध
- एस. एम. घर इन्टरनेशनल पॉलिटिक्स सिंस 1949
- हरिदत्त वेदालकार इंटरनेशनल पॉलिटिक्स

Paper-II : International Relations Since World War-II

Scheme	Min. Pass Marks 72	Marks: 200
Paper- I	3 hrs. Duration	100 Marks
Paper- II	3 hrs. Duration	100 Marks

Note: The question paper shall be of 3 hours duration. The Question Paper shall contain two Parts:

Part-A Shall be compulsory containing 2 question of 20 marks, each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 question of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 works. This part of the Question Paper shall be of one hour Duration. The questions in this part can be asked from the entire course.

Part-B of the Question Paper shall have 2 questions of descriptive type from each of the 3 sections and shall carry 60 marks. The candidates shall be required to attempt one question of 20 marks from each section.

Section- A

Post War International Developments : Cold War; U.N.O. : Organisation, working and role. U.S.A. and Third world; Non-aligned Movement; Collapse of Communist block; Reorganisation of Europe.

Section- B

Foreign Policies of India U.S.A., China, and Russia

Section- C

Contemporary Trends and Issues in International Politics:

Palestinian Problem and Arab-Israel conflict.

Oil politics and the Gulf crisis; Afghanistan Problem;

New International Economic Order;

Associations of Regional Co-operation in Asia : ASEAN & SAARC

Books recommended:

- Black & Thomson : Foreign Politics
- Jorden Connel Smith : Patterns of the post World War. 1982
- S.M. Dhar: International Problems & World Politics since 1949.
- Deniel S.Papp Soviet Perceptions of the Developing World in 1980.
- Haridutt Vedleanker : International Politics.
- Dr Mathuraia: Sharma : International Relations (since 1945)
- Dinanath Verma Antar Rashtriya Sambandha
- Mahendra Kumar Theoreticla Aspects of International Politics.
- Chaddha P.K Antar Rashtriya Sambandh (Adarsh Prqakashan Choura Rasta. Jaipur
- Palmer and Perkins : International Relations
- Hans J Marganthall: Politics among Nations
- H.G. Pant: Antarrashtriya Sambdhdh
- Babulal Fadiya Antarrashtriya Sambandh
- Pukhraj Jain Antarrashtriya Sambandh

𝟵 INDIAN MUSIC

Paper - I	3 hrs. duration	Max.Marks 40	Min. Marks 15
Paper – II	3 hrs. duration	Max.Marks 40	Min. Marks 15
Practical	1 hour per candidate	Max. Marks120	Min. Marks 43

Teaching Hours

Practical

6 Hours Per Week

Theory

Paper -I   2 Hours Per Week

Paper -II   2 Hours Per Week

Total Teaching Hours for practical – 06, Theory 04 Hours Per Week

Note : The paper will contain nine questions having three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

❖ Candidates must pass separately in each of the paper Theory and Practical wherever prescribed.

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Paper I

Principles of Indian Music

Section –A

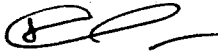**Paper I   3 hrs. duration   Max.Marks 40 Min. Marks 15**

(1) Brief study of Rag and Ras.
(2) Comparative study of different Gharanas of Khayal and Sitar
(3) Music & Religion.

Section –B

(1) Life sketches and contribution of the following musicians- Abdul Karim Khan, Panna Lal Ghosh, Ustad Bismillah Khan, Pt. Ravi Shankar, Bade Gulam Ali Khan.
(2) Flok instruments of Rajasthan.
(3) Forms of Hindustani Music.
(4) Forms of Classical Karnataka Music

Section –C

(1) Notation writing of different compositions in prescribed Ragas.
(2) Writing of Alaps and Tanas/Todas in different Ragas.
(3) Racognition of Ragas from given notes and writing of Alaps showing : 'Nyas' on some given Swaras.
(4) Writing of Thekas with different layakaris Dugun, Tigun, Chaugun and Chhagun in the following Talas- Tilawada, Dhamar, Trital, Jhaptal, Ektal, Chautal, Roopak, Dadra, Punjabi, Sooltal, Jhoomra, Adachautal, Tivra, Deepchandi.

Paper – II

Vocal and Instrumental

3 hrs. Duration   **Max.Marks 40**   **Min. Marks 15**

Note : The paper will contain five questions, having three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

History of Indian Music

Section –A

(1) Origin of Music.
(2) Study of the works of Bharat Matang, Sharangdev Vishundigambar Paluskar and Bhatkhande.
(3) Types of western Scales Diatonic, Chromatic, Equally tempered.

Section –B

(1) General ideas of the forms of Vedic music.
(2) General ideas of Giti and Vani.
(3) Impact of Folk music on classical music and Vice-versa.

Section –C

(1) General ideas of Rabindra Sangeet.
(2) General idea of Harmony and melody.
(3) Essay on General music interest.

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Music Practical (Vocal and Instrumental)

Max. Marks 120   **Min. Marks 43**

There shall be one practical paper (Conducted by two different External Examiners).

Duration of Exam. : I hours per candidate.

Presentation of Ragas & Viva-voce   Max. Marks 120 Min. M. 43

Critical and Comparative study of Ragas & Tala and to sing or play all the Ragas according to syllabus.

Detailed Course:
Vical Music

1. To sing given musical piece and to recognize the ragas & swaras when sing.
2. To show the difference of ragas through swarvistaras in all the ragas.
3. To know orally the "Bol" with Dugun, Tigun and mark time on hand and to recognize the following talas when played on tabla- Dhamar, Tilwara, Ektal, Chautal, Rupak, Punjabi, Sooltal, Jhumra, Adachautal, Tivra and Deepchandi.
4. To sing Arohi, Avrohi, Pakad and Swar Vistar of the following ragas- Todi, Puriya-Dhanashree, Jaunpuri, Darbari Kanada, Bihag, Multani, Kafi, Adana, Durga, Puriya, Kamod and Chhayanat.
5. With the accompaniment of Table to sing slow- khayal and Fast Khayal with sufficient alaps, tanas, Bol-tanas and Sargam in following four ragas- (i) todi (ii) Bihag   (iii) Jaunpuri (iv) Darbari Kanada
6. With the accompaniment of table to sing a Fast-Khayal with alaps and tanas and Tarana with its gayaki in any Six ragas of the following: (i) Kamod (ii) Multani (iii) Kafi (iv) Adana (v) Durga(vi) Puriya (vii) Chhayanat (viii) Puriyadhanashri.
7. With the accompaniment of Table or Pakhawaj to sing one Durpad and one Dhamar with all laykaris and Tihai, in any two different ragas prescribed under clause4 , but not selected under clause 5 & 6.
8. Bhajan/ Semi Classical Composition in any raga.

Instrumental Music

Candidate can offer any one of the following instruments-Sitar, Violin, Sarod, Flute, Israj or Dilruba.Clause 1,2,3, and 4 same as Vocal Music singing may be replaced by playing.

(5)   With the accompaniment of Tabla to play Vilambitgat (विलम्बितगत) and a Drutgat (द्रुतगत) with sufficient varieties of Todas and Jhalas, Meend, Jamjama, Ghaseet and Krintan in the following Four ragas: (i) Todi (ii) Bihag (iii) Jaunpuri (iv) Darbari-Kanada

(6)   To the accompaniment of Tabla to play Drutgat (द्रुतगत) with todas and jhalas in any six ragas of the following-
(i) Kamod (ii) Multani (iii) Kafi (iv) Adana (v) Durga (vi) Puriya (vii) Chhayanat (viii) Puriya dhanashri.

(7)   With the accompaniment of Tabla to play a composition, composed in other than Trital with Todas, in any two ragas mentioned in clause 4, but not selected under clause 5 & 6.

(8)   To play a Dhun in any Raga.

Books Recommended :

(1)   Kramik Pustak Malika parts 2,3 and 4 Bhatkhande.
(2)   Tan Malika parts 2 & 3 by Raja Bhaiya Poonchwal,
(3)   Tan Sangrah by S.N. Ratanjankar.
(4)   Sitar Marg by S.Bandopadhyaya.
(5)   Sitar Siksha by B.N. Bhatt.
(6)   Sitar Parts 1 to 3 by B.N. Bhimpure.
(7)   Rag Vigyan by N.V. Patwardhan.
(8)   A Short survey of the Music of the Northern India by Pt. V.N. Bhatkhande.
(9)   संगीत के जीवन पृष्ठ by S.Rai.
(10) Vadya Shastra by Shri Harish Chandra Srivastava.
(11) Hamare Sangeet Ratn by Sangeet Karyalaya, Hathras.
(12) Sangeet Visharad by Basant.
(13) Sangeet Kaumudi by V.Nigam.
(14) Hindustani Music-its physics and a esthetics by G.S. Ranade.
(15) Music of Hindustan by Fox strangways.
(16) Origin of Ragas – Bandopadhyaya.
(17) Bhartiya Sangeet ka Itihas-Umesh Joshi.
(18) The Music of India by H.A. Popely.

(19) Hindustani Sangeet Paddhati 1 to 4 by Pt. Bhatkhande
(20) Pranav Bharti by Omkar Nath Thakar.
(21) Karanataka Music-Ramchandran.
(22) South Indian Music by Sambamurti.
(23) Natya Shastra by Bharat.
(24) Brihaddeshiaya by Matang.
(25) Sangeet Ratnakar by Sharangdev.
(26) Rag Tarangini by Lochan.
(27) Sangeet Parijat by Ahobal.

10. PUBLIC ADMINISTRATION

Scheme :   Min. Pass Marks 72 Max. Marks : 200

Paper—I   3 hrs. Duration   100 Marks

Paper—II   3 hrs. Duration   100 Marks

Note : There shall be two papers of Public Administration. Each paper shall be divided into three sections and each section shall have two questions. In addition to the six questions (2 questions from each section), there shall be one multiple choice/objective types question which shall be compulsory and cover the entire syllabus. Each question will carry 20 marks. In addition to one compulsory multiple choice/objective type question, candidates will be required to attempt Three questions, selecting atleast one question from each section.

Paper - I 'A' : Comparative Administrative Systems

Section - A

Meaning, Nature, Scope and Significance of Comparative Public Administration.

Structural Functional, Ecological and Developmental Approaches to the Study of Comparative Administration.

Salient Features of the Constitution of UK, USA, France and China.

Section - B

Parliamentary System in UK, Presidential System in USA and Presidentialist System in France. Salient Features of Administrative Systems of UK, USA, France and Nepal with particular Reference to Central Administration and Nature and Role of Civil Service.

Section - C

British Home Office, Cabinet Secretariat in Great Britain, Independent Regulatory Commission in USA. The Office of Governor in the USA., French Council of State, Swedish Ombudsman, British Treasury.

Core Readings :

1. Ferrel Heady : Public Administration : A Comparative Perspective.
2. Ogg & Zink : Modern Foreign Government.
3. V.D. Mahajan : Modern Select Governments.
4. Vishnu Bhagwan and Vidya Bhushan : World Constitutions.
5. रवीन्द्र शर्मा : तुलनात्मक प्रशासनिक व्यवस्थाएँ
6. सी.बी. गेना : तुलनात्मक राजनीति
7. Gavin Drewry and Tony Butcher : The Civil Service Today.
8. U.S. Government Manual.
9. S.R. Maheshwari : Higher Civil Service in France.
10. बी.एल. फडिया : विश्व के प्रमुख संविधान।
11. सुरेन्द्र कटारिया : तुलनात्मक प्रशासनिक व्यवस्थाएँ

लोक प्रशासन

स्कीम :

दो प्रश्न-पत्र	न्यूनतम उत्तीर्णांक 72	अधिकतम अंक 200
प्रथम प्रश्न-पत्र	3 घंटे	अंक 100
द्वितीय प्रश्न-पत्र	3 घंटे	अंक 100

नोट : प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घंटों की अवधि में से अधिकतम 1 घंटे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न-पत्र के इस प्रथम भाग के दोनों प्रश्न सम्पूर्ण पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम से संबंधित प्रश्न होंगे। प्रश्न-पत्र के

द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से प्रत्येक से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम-से-कम एक प्रश्न का चयन करते हुए 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों का होगा।

प्रश्न-पत्र I (अ) : तुलनात्मक प्रशासनिक व्यवस्थाएँ

भाग-अ

तुलनात्मक लोक प्रशासन का अर्थ, प्रकृति, क्षेत्र व महत्त्व, तुलनात्मक लोक प्रशासन, अध्ययन के उपागम : संरचनात्मक-प्रकार्यात्मक, पारिस्थितिकीय, विकासात्मक उपागम। चीन, फ्रांस, संयुक्त राज्य अमेरिका तथा ग्रेट ब्रिटेन के संविधानों के प्रमुख लक्षण।

भाग-ब

ग्रेट ब्रिटेन में संसदीय व्यवस्था, संयुक्त राज्य अमेरिका में अध्यक्षीय व्यवस्था, फ्रांस में अध्यक्षीय व्यवस्था।

ग्रेट ब्रिटेन, संयुक्त राज्य अमेरिका, फ्रांस व नेपाल की प्रशासनिक व्यवस्थाओं की प्रमुख विशेषताएँ, केन्द्रीय प्रशासन तथा लोक सेवाओं की प्रकृति एवं भूमिका के विशेष संदर्भ में।

भाग-स

ब्रिटिश गृह विभाग, ग्रेट ब्रिटेन में मंत्रिमण्डल सचिवालय, संयुक्त राज्य अमेरिका में स्वतंत्र नियामकीय आयोग, संयुक्त राज्य अमेरिका में गवर्नर का पद, फ्रांस में राज-परिषद्, स्वीडन का ओम्बुड्समैन, ब्रिटिश राजकोष।

Core Readings :

1. Ferrel Heady : Public Administration : A Comparative Perspective.
2. Ogg & Zink : Modern Foreign Government.
3. V.D. Mahajan : Modern Select Governments.
4. Vishnu Bhagwan and Vidya Bhushan : World Constitutions.
5. रवीन्द्र शर्मा : तुलनात्मक प्रशासनिक व्यवस्थाएँ
6. सी.बी. गेना : तुलनात्मक राजनीति
7. Gavin Drewry and Tony Butcher : The Civil Service Today.
8. U.S. Government Manual.
9. S.R. Maheshwari : Higher Civil Service in France.
10. बी.एल. फड़िया : विश्व के प्रमुख संविधान।
11. सुरेन्द्र कठारिया : तुलनात्मक प्रशासनिक व्यवस्थाएँ

OR

Paper—I (B) Indian Administrative Thought

Scheme :   Min. pass Marks 72   Max. Marks : 200

Paper - I   3 hrs. Duration   100 Marks

Paper- II   3 hrs. Duration   100 Marks

Note : There shall be two papers of in all and each papers shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. There shall be twenty multiple choice objective type questions of one mark each of twenty marks in the first compulsory question. The second compulsory question will comprise ten questions of two marks each of 20 marks. These will be short answer questions answer should not be more than twenty words. Marks may be deducted if the word limit is exceeded. This part of the question paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

The second part of the question paper shall be divided into three sections comprising 6 essay type questions of 20 marks each. Candidates will be required to attempt 3 questions selecting one question from each section. This part of question paper shall be of 60 marks.

Paper—I (B) Indian Administrative Thought

In this paper a study of relevant Administrative Ideas of Representative Indian Political Thinkers will be expected with a broad reference to the following topics :

(i) Scope and functions of Administration

(ii) Departmental structure of Administration

(iii) Idea of limited Govt. and Decentralization

(iv) Policy formulation and its Execution

(v) Personnel Administration

(vi) Control over Administration

(vii) Local Administration

(viii) Economic Policy and Administration

(ix) Council of Ministers : Minister, Public Servant Relation with Minister
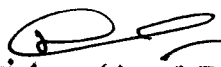
Section - A

Manusmriti, Ramayan and Mahabharat. Kautilya's Arthashastra. Shukranitisar.

Section -B

Niti Vakyamritam of Somdev. Gopal Krishna Gokhle, Jawahar Lal Nehru.

Section - C

Jay Prakash Narain and Bhimrao Ambedkar.

<center>प्रश्न-पत्र I (ब) : भारतीय प्रशासनिक विचार</center>

नोट : प्रश्न-पत्र के दो भाग होंगे प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घंटों की अवधि में से अधिकतम 1 घंटे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न-पत्र के इस प्रथम भाग के दोनों प्रश्न सम्पूर्ण पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम से संबंधित प्रश्न होंगे। प्रश्न-पत्र के द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से प्रत्येक से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम-से-कम एक प्रश्न का चयन करते हुए 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों का होगा।

<center>प्रश्न-पत्र I (ब) : भारतीय प्रशासनिक विचार</center>

इस प्रश्न-पत्र में प्रतिनिधि प्राचीन व आधुनिक भारतीय चिंतकों के प्रासंगिक प्रशासनिक विचारों का अध्ययन मुख्यतः अग्रांकित संदर्भों में अपेक्षित होगा :

(i) शासन के दायित्व व प्रशासन के कार्यक्षेत्र की परिधि

(ii) प्रशासन की विभागीय संरचना

(iii) मंत्रिपरिषद् : मंत्री-लोक सेवक संबंध

(iv) नियंत्रित शासन व विकेन्द्रीकरण का विचार

(v) नीति निर्माण व निष्पादन

(vi) आर्थिक नीति व प्रशासन

(vii) कार्मिक प्रशासन

(viii) प्रशासन पर नियंत्रण

(ix) स्थानीय प्रशासन

<center>भाग-अ</center>

मनुस्मृति, रामायण व महाभारत। अर्थशास्त्र (कौटिल्य), शुक्रनीति सार।

<center>भाग-ब</center>

सोमदेव का नीति वाक्यामृतम्। गोपाल कृष्ण गोखले, जवाहर लाल नेहरू।

<center>भाग-स</center>

जय प्रकाश नारायण तथा भीमराव अम्बेडकर।

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</div>

Books Recommended :

1. V.P. Verma : Indian Political Thought (Volume I & II)
2. Beni Prasad : Theory of Government in Ancient India.
3. K.P. Jayaswal : The Hindu Polity
4. पुरुषोत्तम नागर : आधुनिक भारतीय सामाजिक और राजनीतिक चिन्तन
5. मधुकर श्याम चतुर्वेदी : प्रमुख भारतीय राजनीतिक विचारक
6. K. Damodaran : Indian Thought
7. Prasad & Others : Administrative Thinkers
8. प्रसाद एवं अन्य : प्रशासनिक चिन्तन
9. U.N.Ghoshal : History of Indian Political Ideas.
10. Saletore : Ancient Political Thought and Institutions.
11. J.L. Nehru : Collected Works.
12. M.K. Gandhi : Collected Works.

Paper-II : Local Administration

Scheme :	Min. Pass Marks 72	Max. Marks : 200
Paper-I	3 hrs. Duration	100 Marks
Paper-II	3 hrs. Duration	100 Marks

Section - A

Meaning, Nature, and Significance of Local-self Government in Modern State, Evolution of Local-self Government during the Ancient, Medieval and Modern India.

The Organisational Structure of Urban, Local-self Government in India, Composition, Functions Powers and Role of various kinds of Local-bodies. Local Administration of the Metropolitan Cities, Municipal Corporations and their Problems of Autonomy and Accountability.

Section - B

Theory and Practice of Democratic Decentralisation in India with special reference to 73rd Constitution Amendment, Panchayati Raj Institution, Zila Parisad, Panchayat Samiti, Gram Panchayats and Gram Sabha : their Organisation and Functions. Personnel Administration for Rural & Urban Governments. Problem of Recruitment, Classification, Promotion. Training and Service Condition of Local Officials.

Section - C

Financial Administration of Local Bodies in India. Strengthening of Local Resources.

State Control over Local Bodies, Urban and Rural Mechanism of control over Local Bodies at State Level. The Role of Directorate

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of Local Bodies and Gramin Vikas & Panchayati Raj Department.

Books Recommended :

1. R. Argel : Municipal Government in India.
2. S.R. Maheswari : Local Government in India.
3. M.V. Mathur : Panchayati Raj in Rajasthan.
4. R.L. Khanna : Municipal Government and Administration in India.
5. S.K. Bhogle : Local Government in India.
6. डॉ. एच.सी. शर्मा : भारत में स्थानीय प्रशासन।

Subsidiary Readings :

1. S.C. Jain : Community Development and Panchayati Raj.
2. Govt. of Rajasthan : Sadiq Ali Report, 1964.
3. Govt. of Rajasthan : Rajasthan Municipalities Act, 1964.
4. Rajasthan Panchayat Raj Act, 1994.
5. Govt. of India : Diwakar Committee Report, 1963.
6. Balwant Rai Mehta : Committee Report, 1957.

Journals :

1. Nagarlok, Delhi
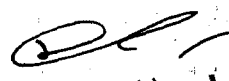2. Journal of Local Self Government, Bombay.
3. Kurukshetra.

प्रश्न-पत्र II : स्थानीय प्रशासन

स्कीम :

न्यूनतम उत्तीर्णांक 72		अधिकतम अंक 200
प्रथम प्रश्न-पत्र	कालावधि 3 घंटे	अंक 100
द्वितीय प्रश्न-पत्र	कालावधि 3 घंटे	अंक 100

नोट : प्रश्न-पत्र के दो भाग होंगे प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घंटों की अवधि में से अधिकतम 1 घंटे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न-पत्र के इस प्रथम भाग के दोनों प्रश्न सम्पूर्ण पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम से संबंधित प्रश्न होंगे। प्रश्न-पत्र के द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से प्रत्येक से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम-से-कम एक प्रश्न का चयन करते हुए 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों का होगा।

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प्रश्न-पत्र II : स्थानीय प्रशासन

भाग-अ

आधुनिक राज्य में स्थानीय स्वशासन का अर्थ, प्रकृति तथा महत्त्व। प्राचीन, मध्यकाल तथा आधुनिक भारत में स्थानीय स्वशासन का विकास, भारत में नगरीय स्थानीय स्वशासन का संगठनात्मक ढांचा, विभिन्न प्रकार के स्थानीय निकायों के कार्य, शक्तियाँ तथा भूमिका। महानगरों का स्थानीय प्रशासन : नगर निगम तथा उनकी स्वायत्तता एवं जवाब देयता की समस्याएँ।

भाग-ब

भारत में लोकतांत्रिक विकेन्द्रीकरण का सिद्धान्त तथा व्यवहार, 73वें संविधान संशोधन के विशेष संदर्भ में पंचायती राज्य संस्थाएँ : जिला परिषद् पंचायत समिति, ग्राम पंचायत तथा ग्राम सभा का संगठन तथा कार्य।

ग्रामीण तथा नगरीय सरकारों में सेवीवर्गीय प्रशासन, स्थानीय निकायों में भर्ती, वर्गीकरण, पदोन्नति, प्रशिक्षण तथा सेवा शर्तों की समस्याएँ।

भाग-स

भारत में स्थानीय निकायों का वित्तीय प्रशासन, स्थानीय संसाधनों का सुदृढ़ीकरण। स्थानीय निकायों पर राज्य-नियंत्रण, राज्य स्तर पर स्थानीय निकायों (ग्रामीण व नगरीय) पर नियंत्रण की प्रणाली, स्थानीय निकाय, निदेशालय तथा ग्रामीण विकास एवं पंचायती राज विभाग की भूमिका।

अनुशंसित पुस्तकें :

1. आर.आर. अंगल : म्यूनिसिपल गवर्नमेन्ट इन इण्डिया
2. एस.आर. माहेश्वरी : भारत में स्थानीय प्रशासन
3. एम.बी. माथुर : पंचायती राज इन राजस्थान
4. आर.एल. खन्ना : म्यूनिसिपल गवर्नमेन्ट एण्ड एडमिनिस्ट्रेशन इन इण्डिया
5. एस.के. भोगले : लोकल गवर्नमेंट इन इण्डिया
6. डॉ. एच.सी. शर्मा : भारत में स्थानीय प्रशासन

सहायक पठन सामग्री :

1. एस.सी. जैन : कम्यूनिटी डवलपमेंट एण्ड पंचायती राज
2. गवर्नमेंट ऑफ राजस्थान : सादिक अली रिपोर्ट, 1964
3. गवर्नमेंट ऑफ राजस्थान : राजस्थान म्यूनिसिपल्टिज एक्ट. 1959 संशोधित
4. दिवाकर कमेटी रिपोर्ट, 1963
5. राजस्थान सरकार : राजस्थान पंचायती राज. अधिनियम, 1994
6. बलवन्त राय मेहता कमेटी रिपोर्ट, 1957
7. सादिक अली कमेटी रिपोर्ट, 1964

प्रकाशन - 1 नगरलोक दिल्ली, 2 जर्नल ऑफ लोकल सेल्फ गवर्नमेंट मुम्बई 3 कुरुक्षेत्र

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11. DRAWING & PAINTING

Scheme :

Paper - I Practical -	Max. Marks - 90
Duration 5 hours	Min. Pass Marks - 32½
Paper- II - Practical - Composition	Max. Marks - 90
	Min Pass Marks - 32½
Submission work Max. Marks - 20	Min. Pass Marks -7

Paper—I : Practical (Bust) Portrait

Medium oil colour or water colour

Max. Marks - 90   Size - ½ Imperial Sheet

Option to arrange a female model should also be given if the Centre Superintendent can arrange one, (life model male) could wear a turban or cap. Strictness about the quality of model should be avoided like a model with heard is not possible to arrange at all the centers.

(Emphasis will be given on correct drawing)

Practical

Paper—II : Composition

Scheme :

Paper - I Practical -(Portrait)	Max. Marks - 90
Duration 5 hours	Min. Pass Marks - 32½
Paper- II - Practical -Composition	Max. Marks - 90
	Min Pass Marks - 32½
Submission work	Max. Marks - 20
	Min. Pass Marks -7

Duration : Five hours medium water colour or oil. Size ½ Imperial size.

Max. Marks 90

Composition should be based on any subject related to Life. Its important events and the world arround us. Composition should be created with three human forms. Styles of composition could be stylised, traditional or modern. Subjects may cover "Festivals" important events from life (indoor or outdoor) like workers, travellers, farmers and group meetings.

Submission of Practical Work: Max. Marks 20

A candidate should submit

(a) Five portraits

(b) Five compositions

(c) Lino Prints (8"×10")

(d) 25 sketches on 1/4 imperial sheets.

Submission :

For (c) Lino Prints should be made in black and white. The Compositions can be in any style. There shall be no examinations in this.

For (d) Twenty five outdoor sketches consisting human form. Nature, animals architecture should be submitted.

Submission work will be submitted to the Head of the Deptt. of Drawing & Painting of the College fifteen days before the commencement of examination. The marks in the submission will be awarded by the subject teacher (internal). However, the External Examiner shall be empowered to review the work of the submission in case there is a drastic difference between the marks of the examinations and submission. Submission work will be retained till the declaration of the result and returned to the candidate from the Deptt. thereafter. If no claim is made within two months of the declaration of the result of submission will be destroyed.

Note :

(a) Candidate should pass in theory as well as in practical paper separately.

(b) There should be minimum 12 periods for the regular student including three periods for sketching.

(c) The deptt. should also arrange for an educational tour to ancient art centers like Ajanta, Ellora, Elephanta, Khajuraho, Mahabalipuram, etc. once a year.

(d) Practical examination will be conducted at the centers and the practical work will be examined like the practical papers of music or Home Science which means that an external examiner will examine the answer books in consultation with an internal examiner who is the subject teacher of the deptt. of Drawing & Painting. University may centralise the Practical examinations at few well equipped Deptt. to hold the examinations economically.

(e) If a candidate fails in any one part of the practical and declared supplementary in the subject he/she will have to appear in both the part of the Practical in supplementary examination.

12. SOCIOLOGY

Scheme :	Min. Pass Marks 72	Max. Marks : 200
Paper - I	3 Hrs. Duration	100 Marks
Paper - II	3 Hrs. Duration	100 Marks

नोट : समाज शास्त्र के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र 3 घण्टे में विभाजित होगा। प्रश्न-पत्र के दो भाग होंगे, प्रथम पत्र 40 अंक का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में एक-एक के 20 बहु-विकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का एक उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न-पत्र के इस प्रथम भाग के दोनों प्रश्न 3 घण्टों में विभाजित पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम से संबंधित प्रश्न होंगे।

प्रश्न-पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 3 प्रश्न करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों का होगा।

Paper I: Sociological Thought

Unit I: Classical Sociological Tradition

    a) Karl Marx: Dialectical Materialism, Class struggle

    b) Emile Durkheim: Social Fact, Division of Labour

    c) Max Weber: Social Action, Types of Authority

Unit II: Contemporary Sociological Tradition

    a) Jurgen Habermas: Legitmatation crisis, Communicative Action

    b) Antonio. Gramsci: Hegemony, Civil Society

    c) Anthony Giddens: Modernity, Structure and Agency

Unit III: Indian Sociological Tradition

    a) D.P Mukherji: Diversity, Dialectics of Tradition

    b) A.R Desai: Nationalism, Path of development

    c) G.S Ghurye: Caste, Indian Sadhus

Readings:

1. Original works of scholars

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Paper II: Introducing Sub sociologies

Unit I: Sociology of Urban Society

a) Invitation to Urban Sociology: Nature, Subject matter, relevance
b) Concepts: City and its types, Urbanization, Urbanism, Migration
c) Social Issues: Slums, deviance in urban space, environmental problems

Unit II: Sociology of Development

a) Invitation to Sociology of Development: Nature, subject matter, relevance.
b) Concepts: Development & its forms, Sustainable development, Modernization
c) Social Issues: Displacement-Rehabilitation, development inequalities, development and human rights

Unit III: Sociology of Globalization

a) Invitation to Sociology of Globalization: Nature, Subject matter, relevance
b) Concepts: Globalization, Glocalization, Globalism
c) Social Issues: Social exclusion, Private-Public clash, environmental risk.

Readings:

1. Flanagan WG (2011): Urban Sociology, Maryland, Rowman & Littlefield
2. Gore M.S. (2009) Social Development, Jaipur Rawat.
3. Kofman E & Youngs G (edt) (1996), Globalization: Theory & Practice, London, Pinter.

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Scheme of examination: two written papers of 75 mark each & one viva-voce of 50 marks. A candidate has to secure 36% marks in individual papers to declare her/him pass.

PAPER - I MAX MARKS: 75
PAPER - II MAX MARKS: 75
PAPER - III MAX MARKS: 50
            Total Marks: 200

PAPER - I TRANSLATION & GRAMMAR   75
a) Translate the following passage from French into English   25
b) Translate the following passage from English into French   15
© Grammar;   35
   - Present, Past, Future, Imperfect, Post perfect, Conditional, Conditional Past, Gerund, Subjunctive, historic past, Active- passive. Exercises of revision to be done from book prescribed.

PAPER - II A STUDY OF FRENCH LITERATURE & HISTORY OF FRENCH LITERATURE   75
a) Attempt any two of the given four questions on the prescribed novel   25
b) Attempt two out of the three questions on the prescribed poems   25
c) Attempt any two out of given two questions on the prescribed   25
   Periods from the History of Literature

PAPER - III VIVA-VOCE   50

Teaching Material/Books:
1. Novel - Le Petit Prince - Saint Exupéry
2. Play: Huis Clos – J.P. Sartre.
3. Poems: Selected poems by Vigny, V Hugo, Musset, Mallarmé, Lamartine, Bardelaire
4. Grammar; Grammaire Collection « Le Nouvel Entrainez – vous » Advanced Level

   1. Le Lac - Lamartine
   2. Demain des l'aube - V. Hugo
   3. La mort et le bûcheron - La Fontaine
   4. L'invitation au voyage - Baudelaire
   5. Le Dormeur du val - Rimbaud
   6. La mort du loup - Vigny
   7. L'homme a besoin des pleurs - Musset

History of French Literature: Major Literary Movements in the 20th Century

Movements to be discussed: Romanticism, Realism, Surrealism, Symbolism, le nouveau roman existentialism.
La littérature Française au XX siecle - collection Nathan.
Reference Books:
1. L'historie de la France - CLE International
2. Les grandes étapes de la littérature Française - Dr. Charles Cadoux
3. la littérature Française - CLE International
4. la Poésie - CLE International
5. le théâtre - CLE International

14. GERMAN

SYLLABUS FOR THE THIRD YEAR B.A. IN GERMAN — Exam 2016

Scheme of examination: two written papers of 75 mark each & one viva-voce of 50 marks. A candidate has to secure 36% marks in individual papers to declare her/him pass.

PAPER - I   MAX MARKS: 75
PAPER - II   MAX MARKS: 75
PAPER - III   MAX MARKS: 50
            Total Marks: 200

PAPER - I TRANSLATION & GRAMMAR   75
a) Translate the following passage from German into English   25
b) Translate the following passage from English into German   25
c) Grammar   25

PAPER - II A STUDY OF GERMAN LITERATURE
& HISTORY OF GERMAN LITERATURE   75
a) Attempt any two of the given four questions on the prescribed stories   25
b) Attempt two out of the three questions on the prescribed poems   25
c) Attempt any two out of given three questions on the prescribed   25
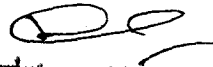   Periods from the History of Literature

A – Prescribed stories

Stories	Authors
Unverhofftes Wiedersehen	Johann Peter Hebel
Das Brot	Wolfgang Borchert
Die drei dunklen Könige	Wolfgang Borchert
Die ungezählte Geliebte	Heinrich Böll

B – Prescribed Poems

Poems	Poets
Gefunden	Johann Wolfgang von Goethe
Willkommen und Abschied	Johann Wolfgang von Goethe
Heidenröslein	Johann Wolfgang von Goethe
Sehnsucht	Eichendorff
Die Lorelei	Heinrich Heine
Im Nebel	Hermann Hesse

C - History of Literature - Write an essay on:
i)   Aufklärung
ii)   Klassik
iii)   Romantik
iv)   Realismus
v)   Expressionismus
vi)   Nachkriegsliteratur

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Books recommended for the History of Literature:

- Deutsche Literatur in Epochen – B. Baumann / Birgitta Oberle
- Geschichte der deutschen Literatur von den Anfängen bis zur Gegenwart von Helmuth Nürnberger. Bayerischer Schulbuchverlag. München, 1995.
- Deutsche Literaturgeschichte von den Anfängen bis zur Gegenwart. 5. Überarbeitete Aufl. J B Metzlerverlag. Stuttgart / Weimar, 1994.

The class teacher will be required to make print-out-material providing detailed notes on analysis of each period

PAPER - III VIVA-VOCE   50

15. HOME SCIENCE

Scheme :

	Max. Marks		No. of Period
	Theory	Practical	1 Weeks

Theory Practical

		Theory	Practical	1 Weeks
Paper-I	Family Resource Management	50		4
Paper-II	Human Development and Family Relationship	50		5

Practical

			Practical	1 Weeks
1.	Cookery		50	4
2.	Family Resource Management		50	4

Distribution of Marks for Practical Examinations

1. Cooking Practicals :

Time 4 hrs.   Max Marks : 50

(i)	Sessional and File	Marks 15
(ii)	Menu Planning, Time Planning and Order Sheet (1 hours).	Marks 10
(iii)	Method of Work Including Cleaning	Marks 4
(iv)	Table Arrangement and Service	Marks 6
(v)	Taste	Marks 15

2. Family Resource Management Practicals

Time 3 hrs.   Max. Marks : 50

(i)	Sessional and File	Marks 15
(ii)	Time Plan-Plan of work	Marks 10
(iii)	Major problem House Plants, Partiesor Arrangements of corners for Rooms.	Marks 15
(iv)	Minor Problems Cleaning of Leather, Carpet, Wood, Polishing, Alpana and Flower Arrangements.	Mark 10

		Max. Marks	No. of Periods/ Week
Paper-1	Family Resource Management	50	4
Paper-II	Home Management Practical	50	2
	Total No. of Periods		68

Paper-I : Family Resource Management

Section-A

I. Introduction :
   (a) Definition and Scope of Economics   2 P
   (b) Importance of studying Economics

II. Concepts of utility and consumption :
   (a) Wants and utility
   (b) Laws of consumption
       (i) Law of diminshing marginal utility
       (ii) Law of substitution and law of equimarginal utility.

III. Family Income and Expenditure :
   (a) Types of income
   (b) Budget—Definition, Engeli law, important steps in planning budget.
   (c) Saving and Investment
       (i) Importance of saving
       (ii) Factors determining saving
       (iii) Characteristics of Investments

(iv) Chanels of Investment

(d) Family accounts-short and long time records, methods of accounts keeping.　　　　　　　12 P.

IV. Market :

(a) Definition and classification of Markets

(b) Purchasing Cash credit and instalment wholesale and retial.

V. Consumer Problems :

(a) Sources of consumer information.

(b) Government programmes for consumer protection standardisation, quality control, fixation of prices, labelling and adulteration control.　　　　　　　2 P.

Section-B

I. Family Resource Management :

(a) Definition and concept

(b) Components of Management　　　　　　　2 P

II. Motivating factors of Management :

(a) Values Goals and Standards-Definition, Classification and factors effecting.

(b) Relationship of values Goals and Standards　　4 P

III. Management Process :

(a) Decision Making : Types, importance. steps involved. factors affecting decision.

(b) Planning, Controlling and evaluation　　　4 P

IV. Resoures :

(a) Importance and classification

(b) Characteristics and factors affecting resources　　3 P

V. The Family :

(a) Its needs and wants　　　　　　　3 P

(b) Family life cycle—stages and effect on resources　3 P

VI. Time Management :

(a) Process of managing time

(b) Handing of peak loads and the typical walk avenue　4 P

(c) Rest Periods

VII. Energy Management :

(a) Nature and Characteristics of work

(b) Body

(c) Work simplification-classes of change

(d) Functional Work and storage areas-principles of storage.

(e) Fatigue-concept and type-physiological and Psychological
8 P

VIII. Elementary study of Household Equipment .
  (i) Kitchen Equipment :
    (a) Cooking-Surface and over cooking
    (b) Preparation-Beaters, mixers and small equipment.
    (c) Storage-refrigerator, bills
  (ii) Cleaning Equipment-Brooms Brushes, vaccume cleaners.
  (iii) Comparative study of modern cooking fuels-L.P.G., Electricity, Kerosene and Solar Energy. 2 P
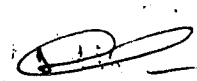
Section-C

Housing, furnishing and Maintenance
I. Modern Family and housing needs :
  (a) Meaning and function of housing.
  (b) House and home.
  (c) Effect of housing on family life and activities.
  (d) Owning versus Rented. 4 P
II. House Planning and Construction :
  (a) Objectives of Planning.
  (b) Selecting site for a house-soil, tepography, environment. locality and surrounding.
  (c) Planning for construction-cost of building, personal objectives, house requirements and functional planning. 5 P
III. Elements and principles of Arts and design as related to Interior Decoration. 3 P
IV. Furnishing material used in home :
  (a) Furniture-Importance, selection and arrangement
  (b) Floor covering-importance and selection
  (c) Curtains-importance and selection 3 P

FAMILY RESOURCE MANAGEMENT PRACTICALS

Time-3 hrs.   Max. Marks. 50
I. House Care & Maintenance
  (a) Daily, periodical and annual cleaning of house.
  (b) Cleaning of wood, leather, floor coverings.
II. Demonstration on-use, care and maintenance of :
  (a) Modern equipments-Refrigerator, Pressure cookers, Vaccume cleaner, Irons, toasters, Washing machines.

(b) Household appliances :
   (i) Renewing a burnt out fuse,
   (ii) Connecting an electric plug,
   (iii) Fitting a new washer.
   (iv) Connecting a leaking flush.
   (v) Opening a blocked flush.
   (vi) Opening a dogged sink.

III. Planning and Arrangements :
   (a) House plans drawn to scale for different income groups.
   (b) Arrangement and furnishing of interiors and areas of rooms at different incence levels-drawing, dining, living, bedroom, study, Puja and Kitchens.

IV. Study of techniques in art and design :
   (a) Flower decoration
   (b) Flower Arrangement.

V. Arrangement and decoration for special occassion :
   (a) Birthday party
   (b) An adults party-Formal and Informal.
   (c) Festival-Diwali or any other festival.

VI. Time planning of household work.

Books Recommended :

1. Home management in Theory and Practice by Gross and Crandall.
2. Management of Family Living by Nickel and Dorsey.
3. Management of Family resources by Fitz and Simmons.
4. Management in Daily Living by Bonde.
5. Modern Ideal Homes for India by Deshpande.
6. Family Finance by Bigelow.
7. House-hold Equipment by Peet and Thye.
8. Economics of the Household by Andrews.
9. Home Furnishing by Rutt.
10. पारिवारिक वित्त—सरस्वती वर्मा, आशा देशपांडे।
11. गृह व्यवस्था एवं कला—जी.पी. शैरी।

Paper-II Human Development and Family Relationship

Max. Marks 50   No. of Periods/Weeks 5

Section-A

I. Physical Growth and Development :
   (a) Major factors in Pre-Natal Development

(b) Physical and motor development from birth to 12 years.

II. Emotional Development :

    (a) Basic emotions—fear, anger, jealousy, joy, affections, curiosity.

    (b) Development of emotional behaviour through child-hood characteristics of child-hood emotions.

III. Social and Personality Development :

    (a) Process and aganets of socialisation.

    (b) Influence of school and communities.

    (c) Cultural and Social development.

    (d) Inter-ration of social and personality development.

    (e) Meaning, definition and types of personality.

    (f) Influencing factors of personality.

Section-B

I. Intellectual Development :

    (a) Nature and definitions of intelligence

    (b) Method of testing inelligence at various age levels intelligence tests.

    (c) Factors affecting school achievements.

II. Play, Imagination and Creativity :

    (a) (i) Meaning and value of play in childhood.

        (ii) Characteristics of play.

        (iii) Kinds of play free and sponteneou, Make believes (Dramatization) Constructive play, Games, Sports.

    (b) (i) Value and aspects of childrens imaginative behaviour.

        (ii) Expressions of imagination, Day Dreaming, Fantasy, Dramatization.

    (c) (i) Development of creativity and its significance.

        (ii) Creative activities of child-hood.

III. Child-parent and family relationships :

    (a) Responsibilities of parent hood.

    Types of parent-child relationships.

    (i) Autocratic

    (ii) Democratic

    (iii) Permissive

    (b) Influence of parentis attitudes on social and personality development of the child.

Section-C

I. Development of Cognition and language.

    (a) Cognitive abilities in the child-hood stages.

    (b) (i) Understanding language development in Children.

        (ii) Comprehension, vocabulary, sentence formation and pronounication.

        (ii) Methods of improving Language.

II. Deviant Behaviour of Children :

    (a) Pre-disposing factor for deviant behaviour.

    (b) Thumb-suchking, Nail biting, Enurisis (bed-wetting) Shyness, Temper Tantums, speech difficulties stuttering and stammering physical handicaps, mental retardation.

III. Adolescence Problems :

    (a) Characteristics of adolescent behaviour

    (b) Conflicts and adjustment at home, school and community.

    (c) Trauncy and Juvenile delinquency : cause, prevention and treatment.

Reference Books :

1. Child Development—Hurlock Elizabeth B.

2. Child Psychology—Jersild Arther T.

3. Child Development—Dinkmeyer Don. C., The emerging self.

4. Child Psychology Child Development and Modern Education, Skinner and Harriman.

5. Problem Children—Uday Shanker.

6. Child Development and Personality, 4th ed. Conger Mussen and Kagan.

7. Family and its relationship—Skinner.

8. बाल विकास एवं पारिवारिक सम्बन्ध—डॉ. आशा पारीक।

9. Child Psychology—Thompson.

10. General Psychology—Crow and Crow.

11. Psychology of Behaviour Disorder—Cameron.

12. Mental Development of Child—Buhler.

13. An Introduction to Development—Nirmala Kher, Mary Evan Durette and Kamala Boota.

14. विकास बाल मनोविज्ञान, —राजराजेश्वरी प्रसाद सिन्हा।

15. बाल विकास तथा पारिवारिक सम्बन्ध—प्रो. मथुरेश्वर पारीक।

16. बाल मनोविज्ञान—राम बाबू गुप्ता।

Cookery Practical

Time : 4 hours

Planning : One hour

Practical : Three hours

Distribution of Marks :

Max. Marks : 50

Min. Pass Marks : 18

1. Sessional 10
2. Files 5
3. Planning 8
4. Service 6
5. Cook & serve any two dishes 18
6. Cleaning 3

Note : Cookery Practical to be started in 2nd year examination and III year.

Preparation of :

1. Dessarts, Puddings, Custerd, Jeely, Ice-cream, Milk Pudding Souffle.
2. Salads-Different types and decorations.
3. Preparation of Two special dishes of any province.
4. Planning Preparation and Serving of :
   (i) Breakfast, Tea, Lunch and Dinner.
   (ii) Meals for a family including :
       (a) Foods suitable for old age.
       (b) Foods suitable for a pre-school child.
       (c) Provisions for increased requirements for adolescent.

16. MATHEMATICS

Teaching : 3 Hours per Week per Theory Paper

Examination :

Scheme	Min. Pass		Max. Marks
	Science–54		150
	Arts–72		200
		Duration	Max. Marks
Paper–I	Algebra	3 hrs	50 (Science)
			66 (Arts)
Paper–II	Complex Analysis	3 hrs.	50 (Science)
			66 (Arts)
Paper–III	Dynamics and Computer Programming in C	Theory 2½ hrs.	32 (Science) 44 (Arts)
		Practical 2 hrs.	18 (Science) 24 (Arts)

Note :

1. Papers I and II are divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five Questions in all taking One question from each Unit. All questions carry equal marks.

2. Paper III is divided in Four Units. Two questions will be set from each Unit. Candidates are required to attempt Four questions in all taking One question from each Unit. All questions carry equal marks.

3. Common paper will be set for both the Faculties of Social Science and

Science. However, the marks obtained by the candidate in the case of Faculty of Social Science will be converted according to the ratio of the maximum marks of the papers in the two Faculties.

4. Each candidate is required to appear in the Practical examination to be conducted by internal and external examiners. External examiner will be appointed by the University and internal examiner will be appointed by the Principal in consultation with Local Head/Head, Department of Mathematics in the college.

5. An Internal/external examiner can conduct Practical Examination of not more than 100 (Hundred) Candidates (20 Candidates in one batch).

6. Each candidate has to pass in Theory and Practical examinations separately.

Paper–I : Algebra

Teaching : 3 Hours Per Week   Max. Marks : 50 (Science)
Duration of Examination : 3 Hours   Max. Marks : 66 (Arts)

Note : This paper is divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One Question from each Unit. All questions carry equal marks.

Unit 1 : Definition and simple properties of Groups and Subgroups. Permutation group, Cyclic group. Cosets, Lagrange's theorem on the order of subgroups of a finite order group.

Unit 2 : Morphism of groups, Cayley's theorem. Normal subgroups and Quotient groups. Fundamental theorems of Isomorphism.

Unit 3 : Definition and simple properties of Rings and Subrings. Morphism of rings. Embedding of a ring, Integral domain and field. Characteristics of a Ring and Field.

Unit 4 : Ideals and Quotient Ring. Maximal ideal and Prime ideal. Principal Ideal domain. Field of quotients of an integral domain. Prime field. Definition, Examples and Simple properties of Vector spaces and Subspaces.

Unit 5 : Linear combination, Linear dependence and Linear independence of vectors. Basis and Dimension. Generation of subspaces. Sum of subspaces. Direct sum and Complement of subspaces. Quotient space and its dimension.

Paper–II : Complex Analysis

Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   Max. Marks : 50 (Science)
                                              66 (Arts)

Note : This paper is divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

Unit 1 : Complex plane. Connected and Compact sets. Curves and Regions in complex plane. Jordan curve Theorem (statement only). Extended complex plane. Stereographic

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projection. Complex valued function–Limits, Continuity and Differentiability. Analytic functions, Cauchy-Riemann equation (Cartesian and polar form). Harmonic functions, Construction of an analytic function.

Unit 2 : Complex integration, Complex line integrals, Cauchy integral theorem, Indefinite integral, Fundamental theorem of integral calculus for complex functions. Cauchy integral formula, Analyticity of the derivative of an analytic function, Morera's theorem, Poisson integral formula, Liouville's theorem.

Unit 3 : Taylor's theorem. Laurent's theorem, Maximum modulus theorem. Power series-Absolute convergence, Abel's theorem, Cauchy-Hadamard theorem, Circle and Radius of convergence, Analyticity of the sum function of a power series.

Unit 4 : Singularities of an analytic function, Branch point, Meromorphic and Entire functions, Riemann's theorem, Casorati-Weierstrass theorem.

Residue at a singularity, Cauchy's residue theorem. Argument principle. Rouche's theorem. Fundamental theorem of Algebra.

Unit 5 : Conformal mapping. Bilinear transformation and its properties. Elementary mappings:

$$w\,(z)\ =\frac{1}{2}\left(z+\frac{1}{z}\right),\ z^{2}\,,\ e^{z}\ \text{sinz, cosz, and logz.}$$

Evaluation of a real definite integral by contour integration. Analytic continuation. Power series method of analytic continuation.

Paper-III : Dynamics and Computer Programming in C
Teaching : 3 Hours per Week
Duration of Examination : 2½ Hours   Max. Marks : 32 (Science)
                                                      44 (Arts)

Note : This paper is divided into Four Units. Two questions will be set from each Unit. Candidates are required to attempt Four questions in all taking One question from each Unit. All questions carry equal marks.

Unit 1 : Velocity and acceleration-along radial and transverse directions, along tangential and normal directions. S.H.M., Hooke's law, motion along horizontal and vertical elastic strings.

Unit 2 : Motion in resisting medium–Resistance varies as velocity and square of velocity. Work and Energy. Motion on a smooth curve in a vertical plane. Motion on the inside and outside of a smooth vertical circle.

Unit 3 : Central orbits-p-r equations, Apses, Time in an orbit, Kepler's law of planetary motion. Moment of inertia-M.I. of rods, Circular rings, Circular disks, Solid and Hollow spheres,

Rectangular lamina, Ellipse and Triangle. Theorem of parallel axis. Product of inertia.

Unit 4 : Programming languages and problem solving on computers, Algorithm, Flow chart, Programming in C-Constants, Variables. Arithmetic and logical expressions, Input-Output, Conditional statemetns, Implementing loops in Programs, Defining and manipulation arrays and functions.

Practical :

Teaching : 2 Hours per Week per Batch
(20 Candidates in each Batch)

Examination : Duration : 2 Hours	Duration : 2 Hours	
Scheme	Science	Arts
Max. Marks	18	24
Min. Pass Marks	07	09

Distribution of Marks :

Two Practicals of

6 Marks each	=	12 Marks (08 Marks each)	16
Practical Record	=	03 Marks	04
Viva-voce	=	03 Marks	04
Total Marks	=	18 Marks	24

The paper will contain Two practicals. The candidates are required to attempt both practicals.

Programming in C and execution for the result of

1. Solution of linear algebraic equations by Gauss elimination method.
2. Solution of algebraic and transcendental equations by Bisection, False position and Newton-Raphson Methods.
3. Solution of ordinary differential equations by Euler's and Runga-Kutta 4th order method
4. Numerical integration by Trapezoidal and Simpson's one third rule.

Note :

1. Each Candidate (Regular/non-Collegiate) has to prepare his/her practical record.
2. Each Candidate has to pass in Practical and Theory examinations separately.

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17 ECONOMICS

Scheme :	Min. Pass Marks	Max. Marks
Arts	72	200
Science	54	150
Paper-I	3 hours duration	Arts 100
		Science 75
Paper-II	3 hours duration	Arts 100
		Science 75

Note : 1. There shall be two papers in each class. Each paper shall have 3 questions from every unit. In Addition to these nine questions (3 questions for each unit) there shall be one multiple choice/ objective type/ short answer question in each of the two papers

This question shall be compulsory.

2. The student shall be required to attempt five questions in all in each paper selecting atleast one question from each unit and one compulsory multiple choice/objective type/short answer question

3. The multiple choice/objective type/short answer question shall consist of 20 questions in B.A. Examination and 15 questions in B. Sc. examination of one mark each.

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Paper - (I) Introduction to International Trade, Development and Public Economics

Section – A

Features of International Trade. Gains from Trade. Trade Theories – Adam Smith, Ricardo, Haberler, Mill and H- O Theory (Elementary Treatment). Free Trade and Protection. Foreign Exchange Market and Exchange rate. Balance of Trade and Balance of Payment – Definition and Structure. WTO – Scope and Impact.

Section B

Economic Growth and Development – Factor Affecting Economic Growth. Development and Underdevelopment. Measures of Development. Lewis Theory of Unlimited Supply of Labour. Balanced V/S Unbalanced Growth Model. Harrod – Domar & Solow's Model. Concept of Poverty and Inequality.

Section – C

Nature and Scope of Public Finance. Role of Government in the Economy. Optimal Budgeting. Public goods and Private goods. Public Revenue – Canons of Taxation. Incidence, Impact and Shifting of Taxation. Direct and Indirect Taxation. Public Expenditure – Canons of Public Expenditure, Classification and Effect on Production and on Distribution. Public Debt – Meaning, Objectives, Burden and Theories of Public Debt. Fiscal Policy – Meaning, Objectives and Anti inflationary Policy.

Books Recommended:

1. R. A. Musgrave and P. B. Musgrave, Public Finance in Theory & Practice, McGraw Hill Publication.
2. S. Ganguli, Public Finance, The World Press Pvt. Ltd.
3. H. L. Bhatia, Public Finance, Vikas Publishing House Pvt. Ltd.
4. John Callis and Philip Jones, Public Finance and Public Choice, Oxford University Press.
5. D. Salvatore : International Economics, John Wiley and Sons.
6. K. C. Rana and K. N. Verma : International Economics. (Hindi/English edition) Vishal Publishing Company, Delhi.
7. B. O. Soderston & G. Reed: International Economics, Palgrave Macmillan.
8. Michael P. Todaro, Economic Development, Pearson Education.
9. A. P. Thirwal, Growth and Development, Macmillan.
10. Debraj Raj, Development Economics, Oxford University Press.
11. S. K. Mishra and V. K. Puri, Economics of Development and Planning – Theory and Practice, Himalaya Publishing House.

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Paper –II (a): Applications of Mathematics in Economics

Section-A

Differential Calculus and Integral Calculus: Applications in Economics; Matrix and Determinants; Solution of Simultaneous Equations; Maxima and Minima; Convexity and Concavity.

Theory of Consumer Behaviour: Nature of a Utility Function; Properties of an Indifference Curve, Maximization of Utility. Demand Functions- Ordinary and Compensated, Price and Income Elasticity, Elasticity Relations in Demand Analysis, Slutsky Equation in two Commodity Case, Elasticity Form and Important Results; Income and Leisure - Derivation of Labour Supply Function and its Properties.

Section –B

Theory of Firm: Production Function- Properties of a Well Behaved and Homogeneous Production Functions -Cobb-Douglas and CES Production Functions; Product Curves; Output Elasticity of Factor Input; Properties of an Isoquant; Elasticity of Substitution of a Homogeneous Production Function- Linearly Homogeneous and Cobb-Douglas Production Functions; Optimization Behaviour of a Firm- Constrained Cost Minimization, Constrained Output Maximization and Profit Maximization; Input Demand Functions- Properties and Derivation of Producer's Input Demand functions; Cost Functions- Properties and Derivation of Short Run and Long Run Cost functions; Consumer's and Producer's Surplus.

Section-C

Linear Programming: Graphical and Simplex Method (Maximization Problem Only); Input-Output Analysis: Concepts of Static, Dynamic, Closed and Open Input - Output Models, Hawkins-Simon Conditions of Viability, Determination of Gross Output, and Value Added in Open Input –Output Model; Theory of Games: Two-Person Constant Sum Games, Zero-Sum Game, Maximin and Minimax, Dominant Strategies and Saddle Point Solution; First Order Difference Equation- Cobweb Model.

Note: Use of Non-Programmable Calculator is Permitted.

Books Recommended:

1. J.M. Henderson and R.L. Quandt: Micro Economic Theory: A Mathematical Approach, McGraw-Hill. London.
2. RGD Allen, Mathematical Economics, McMillan
3. B.C. Mehta: Mathematical Economics: Micro Economic Models, Sultan Chand & Sons, New Delhi.
4. Alpha C Chiang: Fundamental Methods of Mathematical Economics, McGraw-Hill, Kagakusha, Tokyo.

Paper – II (b) Environmental Economics

Section – A

Environmental Economics: Meaning, Nature, Scope and Significance; Economic Development and the Environment; Common Property Resources and their Depletion, Ecosystems – Loss of Biodiversity; Sustainable Development; Environmental Problems of Industrial Development: Water Pollution, Air Pollution, Noise Pollution ; Depletion of Ozone Layer- Carbon Credit; Environmental Problems of Agricultural Development- Salinity, Water Logging, Desertification of Land ; Excess Use of Water, Fertilizers and Pesticides, Farm Implements Cropping Pattern; Natural Farming; Forest Depletion: Causes and Impact.

Section-B

Role of Various Sectors in Environment Protection: Role of Public / Government, Private, Co-operative Sectors and NGOs in Environment Protection; Environmental Policy in India: Environment Protection Laws in India, Central pollution Control Board, State Pollution Control Boards, Local Bodies and Environment Protection.

Section-C

Global Environmental Issues: WTO and Environment, Trade and Environment- Climate Change, Natural Resource Accounting, International Attempts to Protect the Environment: Movements, Laws, and Agreements.

Books Recommended:
1. Bhattacharya R.N. (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
2. U.Shankar (Ed)(2001), Environmental Economics , Oxford University Press, New Delhi.
3. Baumial, W. J. & W. E. (1997), The Theory of Environmental Policy, Prentice Hall, Englewood-Cliffs.
4. Dorfman, R. & N. Dorfman (Eds.) (1977), Economics of the Environment, W W. Norton, New York.
5. Nijkamp, P. (Ed.) (1976), Environmental Economics, Vol. I & II, Martinus Nijhoft, Leiden
6. Charles Perring (1987), Economy and Environment Cambridge University Press, New York.
7. Karpagam, M. (1993), Environmental Economics, Sterling Publishers, New Delhi.

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18. GEOGRAPHY

SCHEME:

PAPERS	DURATION	MAX. MARKS ARTS	MAX. MARK SCIENCE
PAPER-I	3 HRS.	75	50

(78)

| Paper–II | 3 hrs. | 75 | 50 |
| Paper–Practical | 3 hrs. | 50 | 50 |

Note :

1. Students are permitter to use the stencils, simple calculator and log tables wherever needed in the examination.
2. There will be a common paper for Science/Arts.
3. One question (question No.1) of 20% marks of the total : Question No.1 will be compulsory and will cover the entire course contents of the paper. Question be set in two Parts :-
   (a) Question on Map (to be supplied) of 10% marks.
   (b) Question on objective type (Multiple choice and very short answer) of 10% marks.
4. Nine questions will be set in total with three questions from each section.
5. Candidates will attempt five questions in all selecting at least one question from each section.
6. The allocation of marks will be different in Science/ Arts.
7. Practical examination will be conducted by the Board of Examiners.
8. The candidate has to pass both in theory and practical separately.

PAPER–I : ASIA

Section–A

General Geography. Asia in the context of the World.

Land : Relief, structure major river systems, vegetation, soils, minerals and power resources.

Population distribution, density and growth.

Economy: Agriculture : Main characteristics of Asian Agriculture, distribution and production of crops : wheat, rice, millets, sugarcane, tea, cotton, oilseeds, etc. place of livestock in Asian agriculture, problems of Asian agriculture and their possible solutions.

Section–B

Fisheries : Distribution and production. Industries : Distribution, factors of localisation, production and problems : iron and steel, textile, chemical, engineering goods and automobile, sugar, forest-based industries, etc.

Transport and International Trade : Modes of transport and the transport network, composition and direction of international trade. major international Ports.

Section–C

Regional Geography : Japan. China, Pakistan & Iraq. Study of major regions of each country.

Books Recommended :

1. Rawson, R.R. : Monsoon Lands of Asia, Hutchinson Educational Ltd., 1963.
2. Spencer. Joseph Thomas, and William. L. : Asia East by South : A Cultural Geography, John Wiley & Sons. New York, 1971.
3. Trewartha, G.T. : Japan : A Physical. Cultural and Regional Geography, Methuen & Co., London. 1961.
4. Fisher, Charles, A : South East Asia, Methuen & Co. London.
5. Chiao-nim Hsieb : China, Ageless land and Countless People Van Nostrand, New York, 1967.
6. Singh, R.L. (Ed.) : India : A Regional Geography : National Geographical Society of India Varanasi 1971.
7. Kolb, A : Eas Asia, Nethuen 7 Co. Ltd. London 1981.

Reference Books :

1. Ginsburg, N. : The Pattern of Asia, Prentice Hall. Englweoodcliffs. 1958.
2. Spencer. Joseph : Oriental Asia : Themes Toward a Geography, Prentice-hall, Englewood Cliffs, NJ 1973.
3. Farmer, B.H. : An Introduction to South Asia, Methuen and Co. Ltd. London, 1983.
4. Johnson B.L.C. : South Asia. Hememaim Education Book Ltd.. London, 1982.
5. Cressey, G.D. : Land of the 500 Million. McGraw Hill, London. 1955.
6. Ackerman, E.A. Japan's Natural Resources and their Relation to Japan's Economic Future University of Ducago Press. 1953.

PAPER-II : Geography of India

Unit–I

India in the context of Southeast and South Asia. India : a land of diversities, unity within diversities.

Major terrain elements of India and their role in shaping physical Land-scape of India. Drainage systems of India and their functional significance. The morphological regions of India.

Unit–II

Regional and Seasonal variations of climate–the monsoon, western disturbance, norwesters. Climatic regions of India. Soil types of India–the distribution and characteristics. Vegetation types and their distribution.

Forests, minerals and power resources–The status of their use and need for conservation.

Unit–III

Spatial distribution of population and density; socio-economic implications of population explosion, urbanization, changing nature of Indian economy. Agricultural growth during the plan period. Green Revolution vis-a-vis traditional farming. Regionalisation of Indian agriculture and topology of agricultural regions and their relevance in agricultural development planning.

Industrial development and Indian economy- Industrial regions of India and their industrial structure, composition of domestic and international trade.

Unit–IV

Basis of regional divisions of India-macro, meso and micro-regions of India-their comparative analysis. Resource regions of India. Regional planning of rural and urban regions.

Unit–V

Contemporary issues regional disparity, poverty, population explosion, globalizaton. Impact of development on Environment–social and ethnic tension, gender discrimination and empowerment of women.

Suggested Reading :

1. Deshpande C.D. : Indian-A Regional Interpretation, Northern Book Center, New Delhi, 1992.
2. Farmer, B.H. : An Introduction to South Asia, Methuen, London, 1983.
3. Govt. of India : India–Reference Anual, 2001 Pub. Div., New Delhi.
4. Govt. of Inida : National Atals of India NATMO Publication, Calcutta.
5. Govt. of India : The Gazetteer of India. V.I I & III Publication Division.
6. Learmonth. A.T.A. et. al (ed.) Man and Land of South Asia, Concept.
7. Mitra, A: Levels of Regional Development India Census of India, Vol. I, Part I-A (i) and (ii) New Delhi, 1967.
8. Routray, J.K. : Geography of Regional Disparity, Asian Institute of Technology, Bangkok, 1993.
9. Shafi, M : Geography of South Asia, Memillan & Co. Calcutta, 2000.

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10. Singh, R.L. (ed.) : India : A Regional Geography . National Geographical Society. India Varanasi, 1971.
11. Spate, O.H.K. and Learmonth, A.T.A. India and Pakistan–Land, People and Economy Methuen & Co. London, 1967.
12. Wadia, K.S. : Dynamic Himalaya, University Press. Hyderabad, 1998.

PRACTICAL

Scheme :   Max. Marks 50   Min. Pass Marks : 18

Unit-I

Map Projections : Definition, Classification, Identification and suitability of map projection according to objectives. Theoretical knowledge of Romate Sensing techniques. Construction (graphical), properties and uses of the projections.

Unit-II

Cylindrical : Simple, Equal area, Mercator's Gall's **Conical** : One standard Parallel, Two Standard parallels, Bonne's Polyconic.

Zenithal : Gnomonic, Stereographic, Orthographic. Equidistant, Equal area (Polar cases only).

Unit-III

Three diamentional Diagrams : Block piling Spheres, and Still-Gen-Bauer and Stand-de-Geer methods.

Unit-IV

Plane Table Survey : Radiation and intersection Resection : various instruments and their uses. Merits and demerits of plane table survey.

Indian Pattern clinometer : Its parts and use, finding out of heights in the field.

Distribution of marks for the Purpose of Examination.

1.	Written Test	3 hrs.	24 Marks
2.	Record-&-Viva	2 hrs.	12(7+5) Marks
3.	Field Survey Viva	2½	14(9+5) Marks
	Total	5 hrs.	50

Note :

1. The candidate will have to attempt 3 questions out of 5 questions.
2. The Non-collegiate students will have to complete the practical work in consultation with the Head Department of Geography at any one of the affiliated colleges of Rajasthan University in which Geography subject as taught and in the case of students appearing at non-collegiate examination from any examination centre located in Jaipur city the practical camp shall be con-

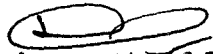Asstt. Registrar (Acad-I)
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ducted by the University post Graduate Dett. of Geography and the candidate will procure a certificate in this regard to be produced at the time of Practical Examination.

Books Recommended :

1. Kellaway, George, P. : Map projection, Mathuen & Co. London.
2. Steers, J.A. : Map Projections, University of London, Press, Pondon.
3. Singh, R.L. : Practical Geography, Kalyani, Publisher, New Delhi.
4. NATIMO (G.D.I.) : National Atlas of India, NATOMO Calcutta.
5. Puri, G.S. : Indian Forest Ecology. Volumes I and II Oxford Books and Stationary Co., New Delhi, 1968.
6. Sdasyuck, G, and Sengupta, P. : Economic Regionalisation of India. Census of India, Publication, Delhi, 1960.
7. Sharma, T.R. : Location of Industries in India, Hindi Kitab, Bombay, 1949.
8. Singh, R.L. (Ed.) India : Regional Studies, Published for the 21st International Geographical Congress held at New Delhi, 1968.
9. Singh, R.L. (Ed.) : India : A Geography. National Geographical Society of India, Varanasi, 1971.
10. Spate, O. H.K. and Learrfonth, A.T.A. : India and Pakistan and People and Economy, Mathuen & Co., London, 1967.
11. Srivastava, M.A. : Trade of India, S. Chand & Co., Delhi. 1967.
12. V.C. Mishra : Geography of India Rajasthan, National Book Trust, Delhi.
13. Wadia, D.N. : Geology of India, Macmillan & Co., London, 1967.
14. Wadia, Mehar and Wadia, D.N. : Minerals of Indian, National Book Trust, New Delhi, 1966.

Reference Books :

1. Garmett, William : Map Projections, George Phillip & Sons London.
2. Jameson, A.H. & Ormsby, M.T.T. : Mathematical Geography, Bol., 1, Issac Pitman & Sons London.

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19. STATISTICS
Marks Scheme

Paper	Nomenclature	Science	Arts
		Marks	
Paper I	Sample Survey	50 mark	65 marks

Paper II	Design of Experiment and Computational Techniques	50 mark	65 marks
Paper III	Practical based on paper I,II	50 marks	70 marks
	Total	150	200

Note: In each Question paper, 10 (ten) questions will be set having 2 (two) from each unit. Candidates have to answer five questions in all, taking not more than one from each unit.

<div align="center">

Paper - I
(Sample Surveys)
(Also common with Subject - Applied Statistics)
Unit - I

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Concepts of population and sample, need for sampling, census & Sample surveys. Advantages of sample survey over complete enumerations. Principle steps in a sample survey. Principles of sample survey. Sampling and non-sampling errors.
18 hours

<div align="center">

Unit - II

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Probability and non-probability sampling: Methods of drawing a random sample from finite population, accuracy and precision of an estimator. Simple random sampling with and without replacement, probability of selecting any specified unit in the sample, simple random sampling of attributes, size of simple random sample for a specified precision.   **18 hours**

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Unit - III

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Stratified random sampling: Meaning and advantages of Strafied Random Sampling. Estimation of the population mean and its variance. Optimum and proportional allocation and thier comparison with SRS WOR.

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18 hours
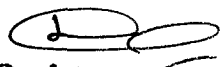
Unit - IV

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Systematic Sampling: Meaning and sample selection procedures, advantage and disadvantages, variance of the estimated mean, Comparison of systematic with (i) SRSWOR and (ii) stratified random sampling. Cluster sampling (of equal size): Meaning advantages and disadvantages, estimation of population mean.
18 hours

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Unit - V

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Ratio Method of estimation (first approximation only) of mean

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ing, bias of ratio estimators, variance, efficiency of ratio estimate with SRSWQR estimate. Regression method of estimation (first approximation): Meaning, Simple Regression Estimate, expected value and variance of simple regression estimate. Comparison with SRSWOR and ratio estimators.   **18 hours**

References:

1. Des Raj (2000) : Sample Survey Theory. Narosa Publishing House.
2. Murthy, M.N. (1967): Sampling Theory and Methods. Statistical Publishing seems Surveys Designs. Wiley Eastern Ltd.
3. Singh Daroga & Chaudhary, F.S. (1989) : Theory and analysis of sample survey designe, Wiley Eastined Ltd.
4. Sukhatme *et al.* (1984): Sampling Theory of Surveys with Applications. Indian Society of Agricultural Statistics.
5. Goon A.M, Gupta M.K. Das Gupta B (1986) : Fundamentals of Statistics, Vol-II, World Press, Kolkata.
6. Gupta S.C., Kapoor V.K. : Fundamentals of Applied Statistics, Sultan Chand & Sons., New Delhi

Additional References:

1. Sampath S. (2000): Sampling Theory and Methods. Narora Publishing House.
2. Singh R, Mangal N.S., (1987): Introduction to Sampling. Kanwer Publication.

<div align="center">

Paper - II

Design of Experiments and Computational Techniques

(Also common with Subject - Applied Statistics)

Unit - I

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Analysis of Variance: Linear model & its different types (only introduction), Analysis of Variance technique, ANOVA for one-way and two-way classified data (with one observation per cell & fixed effects model) ; Least Square Estimates of Sum of squares, Effects of violations of basic assumptions of ANOVA; Transormations, Crtitical Difference.   **18 hours**

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Unit - II

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Design of Experiments: Need for design of experiments, fundamental principles of design of experiments, Uniformity Trials, Choice of size and shape of plots, Basic designs (with one observation per cell & fixed effects model)- Completely randomized design (CRD), Randomised block design (RBD)- Their advantages and disadvantages & usage. Efficiency of RBD over CRD.   **18 hours**

Unit - III

Latin Square Design (LSD)- Analysis ; least square estimates; expectation of sum of squares; efficiency of LSD over CRD & RBD. Missing plot technique-Estimation of single missing value in RBD & LSD. Factorial experiments-2^2, 2^3 experiments, illustrations, main effects, interaction effects & their analysis.

18 hours

Unit - IV

Computational Techniques: Historical evolution of Computers, classification of Computers. Hardware Block Diagram of PC. Input/output Devices. CPU. Sofware-System Software. Application software operating system-Types and Functions of an Operating system MS-DOS- internal & External Commands, Windows : Graphical User interface, Control Penal, find Features, Windows Explorer. Creating, Copying Folders and Files and Creating Short Cuts, Delete and Undelete Files. **18 hours**
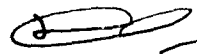
Unit - V

Programming Concepts: Types of Programming Language. Programming techniques. Drawing Flow charts and Alogrithms. Structured Programming Techniques. Development of Flow Chart and Alogrithms for Simple Mathematical & Statistical Problems like Computation of Mean, Median, Mode Standard Deviation, Correlation Coefficient. **18 hours**

References :

1. Das M.N. & Giri N.C. (1986) Design and Analysis of Experiments. Springer Varlag

2. Goon A.M, Gupta M.K. Das Gupta B (1986) ; Fundamentals of Statistics, Vol-II World Press Kolkutta

3. Gupta S.C. Kapoor V.K. : Fundamentals of Applied Statistics, Sultan Chand & Sons., New Delhi

4. Nagpal D.P. : Computer Fundamentsls, Wheeler Publising. New Delhi

5. Ram. B: Computer Fundamentals, New Age International Ltd. & Publisher

6. Norton Peter : Peter Norton's Introduction of Computers, Tata McGraw Hills.

7. Stallings : Operating Systems, PHI

Additional references

1. Kampthrone O. (1965) : The Design and Analysis of Experiments, Wiley Eastern
2. Cochran W.G. and Cox G.M. (1957) : Experimental Design, John Wiley and Sons.
3. Kalicharan : An Introduction of Computer Studies, Cambridge Press.

Paper - III
Practical Paper
(Also Common with Subject-Applied Statistics)

1. To draw an SRS with and without replacement to obtain an estimate of the population total along with the estimates of their variances., Comparing the efficiency of SRSWR with SRSWOR. Finding of confidence interval for the population mean.

2. To draw all the possible samples by SRS-technique and that to show that expected value of the sample mean equals the population mean to show expected value, $E(s^2) = S^2$ in SRSWOR.

3. Stratified sampling (i) estimate the sample sizes by (a) proportional allocation (b) Neyman optimum allocation (ii) estimate the mean to the population under the above scheme (iii) calculation of the sampling variance (iv) Comparison of efficiencies of the allocation scheme amongst themselves as well as with SRS.

4. Systematic sampling

5. Cluster sampling.

6. Ratio & Regression methods of estimation.

7. Analysis of one way classification (CRD).

8. Analysis of two way classification (RBD)

9. Analysis of LSD

10. Efficiency of RBD over CRD.

11. Efficiency of LSD over CRD & RBD.

12. Analysis of 2^2 & 2^3 factorial design.

13. Construction of Flowcharts and Algorighms for Statistical Problems.

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20. APPLIED STATISTICS
Marks Scheme

Paper	Nomenclature	Marks Science	Arts	No. of hours per week
Paper I	Sample Survey	50 mark	65 marks	3 hours
Paper II	Design of Experiment and Computational Techniques	50 mark	65 marks	3 hours
Paper III	Practical based on	50 mark	70 marks	4 hours
	Total	150 mark	200 marks	10 hours

Note: In each Question paper, 10 (ten) questions will be set having 2 (two) from each unit. Candidates have to answer five questions in all, taking not more than one from each unit.

Paper - I
(Sample Surveys)
(Also common with Subject - Course Contents are same as that of Subject-Statistics Paper-I Statistics)

Paper - II
Design of Experiments and Computational Techniques
(Also common with Subject - Course Contents are same as that of Subject Statistics Paper II)
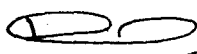
Paper - III
Practical Paper
(Also Common with Subject-Course contents are same as that subject statistics Paper-III Statistics)

1. To draw an SRS with and without replacement to obtain an estimate of the population total along with the estimates of their variances., Comparing the efficiency of SRSWR with SRSWOR. Finding of confidence interval for the population mean.

2. To draw all the possible samples by SRS-technique and that to show that expected value of the sample mean equals the population mean to show expected value, $E(S^2) = S^2$ in SRSWOR.

3. Stratified sampling (i) estimate the sample sizes by (a) proportional allocation (b) Neyman optimum allocation (ii) estimate the mean to the population under the above scheme (iii) calculation of the sampling variance (iv) Comparison of efficiencies of the allocation scheme amongst themselves as well as with SRS.

4. Systematic sampling
5. Cluster sampling.
6. Ratio & Regression methods of estimation.
7. Analysis of one way classification (CRD).
8. Analysis of two way classification (RBD)
9. Analysis of LSD
10. Efficiency of RBD over CRD.
11. Efficiency of RBD over CRD & RBD.
12. Analysis of 2^2 & 2^3 factorial design.
13. Construction of Flowcharts and Algorighms for Statistical Problems.

29. PSYCHOLOGY

Scheme :	Min. Pass Marks	Max.Marks
Art	72 (Th. 54 Pr. 18)	200
Science	54 (Th. 36 Pr. 18)	150

Paper–I	3 hrs. duration	Arts. 75
	Psychological Assessment	Science 50
Paper-II	3 hrs. duration	Arts. 75
	Human Development	Science 50
Paper-III	3 hrs. duration	Arts. 50
	Practicals	Science 50

Note : There will be three papers in Psychology, Each paper will be of 3 hours. There will be a common paper for Arts and Science. In I and II paper. Question No. 1 will be compulsory and will cover the entire course contents of the paper, Question No.1 will contain two parts A & B. A part of 1 question will contain 20 questions of multiple choice. Each question will be of 3/4 marks for Arts students and of 1/2 marks for Science students. Thus A part will be of 15 marks for Arts students and of 10 marks for Science students. B part will contain 10 questions to be answered in the limit of 20 words. Each question of B part will be of 1 1/2 marks for Arts students and of 1 mark for Science students.

Thus B part will be of 15 marks for Arts students and of 10 marks for Science students. Separate question paper for this objective type will be provided to each student and answers will be given in this question paper only in the space provided in the objective type question paper. Candidates will be given one hour to attempt this first compulsory question out of three hours in total time alloted for this paper. Thus total marks alloted for Arts students for first part will be 30 and for science students 20.

In the second part of the question paper, three question of essay type will be attempted selecting atleast one from each section. Each question will be of 15 marks for Arts students and 10 marks for science students. Two hours will be given for attempting this part.

Paper-I: Psychological Testing and Assessment

Section-A

1. Human Assessment: Nature and Scope
2. Theories of Measurement: Campbell's Theory, Steven's Contribution, Problems in Psychological Measurement.
3. Psychological Test Construction: Principles and Steps, Item analysis.

Section-B

4. Reliability: Meaning, Types and Methods of Calculating Reliability.
5. Validity: Meaning, Types and Methods of Calculating Validity.
6. Norms: Meaning and Types of Norms.

Section-C

7. Types of Psychological Tests- Group and Individual, Verbal and Performance, Speed and Power Test, Rating Scales.
8. Application of Psychological Testing: Educational Counselling and Guidance, Clinical and Organisational Setting.
9. Practical and Ethical Issues in Psychological Testing.

References Books:

1. Anastasi, A. (1997), Psychological testing, New York; MacMillan Co.
2. Chadha, N.K. (2009). Applied Psychometry, New Delhi: Sage.
3. Kaplan, R.M. and Saccuzzo, D.P. (2009) Psychological Testing and Assessment. New Delhi: Cengage Learning.
4. अरुण कुमार सिंह (2002): मनोविज्ञान मे मापन एवं मूल्यांकन. नई दिल्ली, मोतीलाल बनारसीदास।
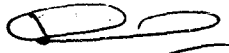
Paper-II: Developmental Psychology

Section-A

1. **Human Development:** Nature and Scope: Domains and Periods of Development, Longitudinal and Cross-Sectional Researches.

2. **Foundations of Human Development:** Biological, Socio-environmental and Cultural Factors.

3. **Self and Identity:** Self Awareness, Self Concept and Self-Esteem- Cognitive Social and Cultural Influences. Identity: Construction and Influences on Identity Development.

Section-B

4. **Psychoanalytic and Psychodynamic Theories of Development:** Freud's Psychoanalytic, Erikson's Psycho-social, Bowlby's Ethological Theory of Attachment.

5. **Social Learning and Cognitive Theories of Development:** Bandura's Social Learning Theory, Piaget's

Cognitive – Stage Theory, Vygotsky's Socio-Cultural Theory, Information Processing and Language Development.

6. **Emotional and Moral Development:** Functions of Emotions, Development of Emotional Expression, Temperament and Development. Moral Development: Piaget's and Kohlberg's Theories.

Section-C

7. **Problem of Adulthood and Aging:** Marriage, Family and Work. Gerontology and Theories of Aging: Damage Theories, Genetic Clock Theories and Bio-Psychosocial Model, Aging disabilities: Physical and Mental.

8. **Developmental Psychopathologies:** Learning Disabilities, Conduct Disorder, Autism, ADHD, MR. (Mental Retardation).

9. **Stress and Health:** Nature and Types of Stress, Physiology of Stress, Causes and Consequences of Stress, Stress Management.

Reference Books:

1. Berk, L.E. (2003) Child Development. Delhi, Pearson Education.
2. Santrock, J.W. (1999), Lifespan Development. New York, McGraw Hill.
3. Hurlock, E. (2003) Developmental Psychology. Delhi, Tata McGraw Hill
4. Papalia, S. and Feldman, C. (2002) Adult Development and Aging. Delhi, Tata McGraw Hill.
5. Berk, L.E.(2010) Development through the Life Span. Delhi, Pearson Education.
6. Sigelman, C.K. and Rider E.A. (2003) Life Span Human Development. Thomson- Wadsworth.
7. Mishra, G. (1999) Psychological Perspectives on Stress and Health, New Delhi, Concept.

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Paper-III Practicals

1. Raven's SPM
2. Personality Assessment through HSPQ
3. Reaction Time
4. Habit Formation and Interference
5. Social Maturity
6. Emotional Maturity
7. Vocational Maturity
8. Concept Formation
9. Profile of Interests through Interest Inventory
10. One Case Study on Developmental Disorder.

22. TEXTILE CRAFT

Min. Pass Marks 22   Maximum Marks : 60

Paper - I   3 Hrs. Duration   30 Marks

Paper - II   3 Hrs. Duration   30 Marks

Paper-I :

	Marks		Hours
(i) Theory	30	Theory	3
(ii) Practical	35	Practical	6
(iii) Submission	35		
Total	100		

Theory

(i) Weaving Theory - Understanding of the working of different types of looms, Hobby and Jacquard.

(ii) Fabric study.

Practical (i) Weaving : Weave Practical _Weaving Compound.

Min. Pass Marks 22   Maximum Marks : 60

Paper - I   3 Hrs. Duration   30 Marks

Paper - II   3 Hrs. Duration   30 Marks

Paper-II :

	Marks		Hours
(i) Theory	30	Theory	3
(ii) Practical	35	Practical	6
(iii) Submission	35		
Total	100		

Theory

(i) Printing Theory-Preparation of stencils and screens.

(ii) Detailed study of the methods of printing with stencils and screens.

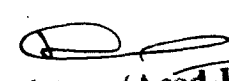Practical (i) Printing Practical :

     1. Block Printing

     2. Screen Printing (Enamel Paint, Lacquer paint).

     3. Types of designs of papers for practical.

     (ii) Developing Designs for practicals :

     1. Curtain 2. Upholstry, 3. Bedsheets & Bed cover.

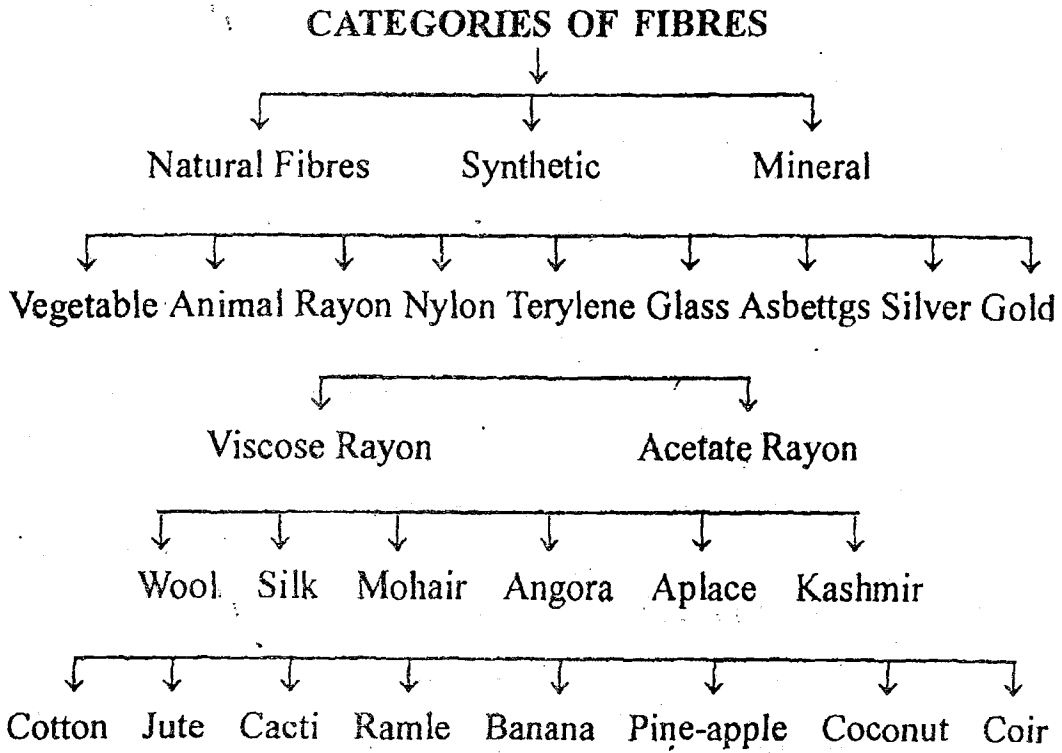   Colour schemes and colour ways for the above.

Weaving Syllabus

     Fibre

1. (a) What is fibre?

Answer : A fibre is a generic term which forms the basic elements for a fabric

CATEGORIES OF FIBRES
↓

↓	↓	↓
Natural Fibres	Synthetic	Mineral

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Vegetable Animal Rayon Nylon Terylene Glass Asbettgs Silver Gold

↓	↓
Viscose Rayon	Acetate Rayon

↓ ↓ ↓ ↓ ↓ ↓
Wool Silk Mohair Angora Aplace Kashmir

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Cotton Jute Cacti Ramle Banana Pine-apple Coconut Coir

Name of the Synthetic Fibres :

(1) Vineyon	(2) Sran	(3) Soyabena Fibre,
(4) Cassein fibres	(5) Ardil	(6) Rayonlanda etc.

Characteristics of Good Fibre:

Requisite qualities of fibre for marking a fabric.

YARN : (1) Single Yarn, (2) Play yarn (3) Fancy Yarn.

Yarn Numbering :

2 Count	2 Denier	% Tee

(1) Indirect System of numbering yarns—(Count)

(2) Direct System of numbering yarns—(Denier)

(3) Direct system of numbering yarns—(Tee)

    Why is the System called indirect system?

    What are the advantage of direct system?

Weaving Theory : A brief history of the importance of dress to man from early ages to the present day, Growing of cotton in fields. Plucking of cotton when it is ripe—Removal of seeds from cotton (Gining)—Bailing of Cotton. How cotton is transported to mills.

Machineries involved in the spinning i.e. converting cotton fibres

into yarn machinery Garding Drawing Slubbing Intermetiate frames—Spining (Ring Spining), Carditiaming Relling-bealing.

Manufacture of Wool—How is wool manufactured?

Wool Fleece—Sheep Washing Shearing Wool sorting, Wool scouring-Drying Teasing, Wool manufacture, Worsted manufacture classing.

Details of Woolen Manufacture : Willowing-Oiling-Blending-Teasing Carding-Condensing-Roving-Mule Spinning.

Worsted of Manufacture—Preparing Back Wasting-Combing-Drawing-Doubling-Drafting-Twisiting & Spinning.

Manufacture of Silk (Pure Silk) How the silk worms lay its eggs on the backside of Mulberry trees Hatching of eggs Caterpillar state (Larva stage)—In which stage the caterpillar east plento of mulberry leaves Pupal stage—

How Pupa is put in hot water in which process the inside worms are killed and how the silk wounded on bobbins.

Synthetic or Man made Fibre's

1. **Viscose Rayons** : Important raw materials manufacture of Viscos Rayons : (1) Cellulose, (2) Caustic Soda (3) Carbon-di-sulphide acid (4) Sulphuric acid (5) Plentiful supply of water is essential.

   Preparation of Spinning Solution. How viscos in spun Acid bath (Wet Spinning)

2. **Acetate Rayons** : Raw materials-Cotton liners which contain plenty of Alpha cellulose, treatment of cellulose with caustic soda i.e. purification of cellulose. Purified cellulose is treated with acetic Acid and Acetic Anhydride, with concentrated Sulfuric acid take cellulose acetate-Dissolve the same in acetone-you get the spinning solution. Spua into hot chambers. You get the yarn which is wounded on bobbins-(This is called dry spinning).

3. **Nylon or (Synthetic Polyamid** : Caprolactum chipe-Melt the caprolactum to a high temperature : say 400°F to 600°F and spin into yarn. This is called mel spinning.

4. **Terylene** : Treatment of D.N.T. (Dymethyl telerence and adiopic Acid in an inert atmosphere) you get terylene yarn.

Name of Other Synthetic Fibres :

1. Vineyon 2. Saran. 3. Soyabean fibre. 4. Ardil 5. Rayolanda etc.

Folded Yarns :

What is a folded yarn?

How are the counts of folded yarn calculated?

Small problems of finding the count of two fold yarn.

For example : 24/40 expresses folded yarn by twisting together two yarn (single threads) one of 24S and another or 40S. This is equivalent to 15S and not the arithmetic mean of 24 and 40 How?

Question : Calculate the count of folded yarn or 24S and 40S. cotton.

Answer : One hank of 24S cotton. —1/24 of a Ib

One hand of 40S cotton —1/40 of Ib

Hank of folded yarn —1/24 + 1/40

$$= \frac{1 \times 5 + 1 \times 3}{120} = \frac{5+3}{120} = \frac{8}{120}$$

= 1/15 Ib = i.e., 15S Count

Ans. 150 Count

How to calculate the count of an unknown thread in a three folded yarn where the two component thread and resultant thread are known?

Question : E.G. : A three fold yarn composed of 8S, 24S, and a thread of an unknown hank was found to be 4S cotton. Calculate the count of unknown thread ?

Answer : I hank of 3 folded yarn 1/4 a Ib

I hank of 8S thread 1/8 of a Ib

I hank of 24S thread 1/24 of a Ib

Therefore one hank of unknown thread

1/4—(1/8+1/24)

$$= \frac{1 \times 6 - (1 \times 3 + 1 \times 1)}{24} = \frac{6 - (3+1)}{24}$$

$$= \frac{6-4}{24} = \frac{2}{24} = \frac{1}{12} \text{ of a Ib} = 12\text{'s cotton}$$

Ans. Count of unknown yarn. 12's cotton.

Fancy Yarns :

1. Snaral. yarn, 2. Corkscew yarn, 3. Slubyarn etc.

Weaving :

What is a weaving? What is a warp? What is weft?

How is a fabric woven?

1. Selection yarn. 2. Count of yarn. 3. Width & length of the fabric 4. To known the total number of warp threads ends.

(a) To know the ends per inch (b) To know the picks per inch.

Preparation of Warp
Requirements for Making a Warp :
1. Yarn in the farm of hank.
2. Reel for converting the package from hank to bobbin forger.
3. Creel.
4. Lease reed.
5. Cendensing reed.
6. Number of sections to be calculated to get the total number of ends as per width of the cloth.
7. Lease to be taken for each section.
8. When the warp is ready, it has to be dropped i.e. it has to be wounded on the weavers beam.
9. Drawing of the ends in the wire healds the mechanism which lifts the yearn in a particular style as required for weaving of the cloth.
10. Drawing the yarn on the reed as per reed plan to keep the ends paralled and spread out. You can get the width of the cloth on the reed.
11. Tie up of the shaafts to lamps and peddals.
12. Tip up of the warp to the cloth beam.
13. The weft yarn to be wounded on the bobbins or pirns which will be fixed in the shuttle for weaving.

Requirements for the Construction of a Fabric.
1. Width of the fabric.
2. Length of the fabric.
3. Count of warp ends.
4. Count of weft ends.
5. Ends per inch.
6. Picks per inch.
7. The weave pattern.

Cloth Calculation :
Requirement of yarn for warp

$$= \frac{\text{Length of warp in yds.} \times \text{Width of warp in inches} \times \text{Ends per inch} \times \text{weight conversion into ounces.}}{\text{Yarn count} \times \text{unit length.}}$$

Requirement of yarn for weft.

$$\frac{\text{Woven length in yards} \times \text{Width of warp in inches} \times \text{picks par inch} \times \text{weight conversion to ounces}}{\text{Yarn count} \times \text{unit length}}$$

Example :

Width of the fabric 36" (8' for sedvedges which are double)
Length of the fabric 50 + 5 yds. (For roller and beam waste)
Count of warp yarn 2/20 S.
Count of welf yarn 2/40 S.
No. of ends per inch 10
No. of picks per inch   15
Reed   20S.
Plain weave

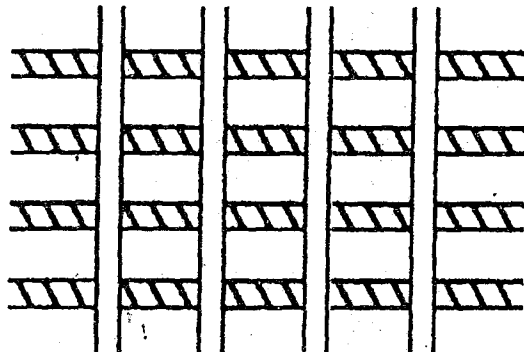Warp : $\dfrac{55 \times 37 \times 10 \times 16}{(2/20^S) \, 10 \times 840} = 271$ Ibs.

Weft : $\dfrac{55 \times 37 \times 10 \times 16}{(2/40^S) \, 20 \times 840} = 203$ lbs

What are the basic weaves ?
1. Plain, 2. Twill, 3. Satin.
What is Plain Weave ?
Two sets of yarns are alternately picked up and the weft passed through, this process is done alternately.

N.B. If peadles 1 and 3 are tied to one pedal and 2 and 4 tied to another pedal, and the pedals used alternately, captain weave will result.

What is a twill weave ?
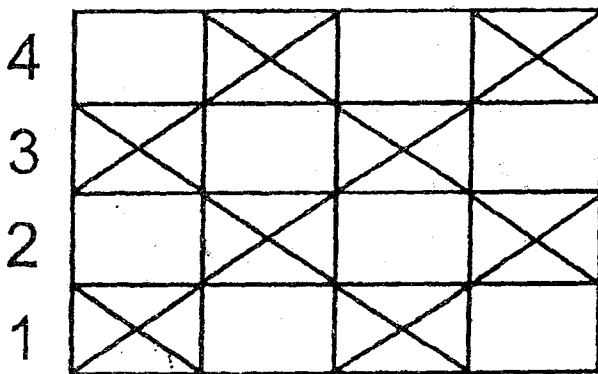
Here four, sets to yarns are picked up on the following order. 1 and 2, 2 and 3, 3 and 4 repeat.

Eg. A3 up 3 down twill. -

N.B. A cross in the square indicates the warp is up and the weft is down.

What is a Satin Weave?

Eight sets of yarn picked up on the following order :

8, 7, 6, 5, 3, 2, 1.

The reverse of satin weave is called satin weave.

8						✕			
7			✕						
6								✕	
5					✕				
4		✕							
3							✕		
2				✕					
1	✕								

What are the types of loom ?

1. Plain loom, 2. Robbins, 3. Jacquard.

What are the equipments used for the construction of a cloth ?

1. Winding machine for preparing warp bobbins & Pins.
2. Fixed reed for cross ends.
3. Warp beam.
4. Reed hook.
5. Crfeel of Bobbin racks.
6. Worping machine.
7. Loom.
8. Heddlessor healds.
9. Cloth beam.

What are the movements of loom ?

1. Shedding-What is sheadding ?

   This is a movement in a loom during which the shafts with the healds move up and down to separate the sets of warp threads to four a shed.

2. Picking-What is Picking ?

   This is a movement in a loom where by the shulde with its bobbin of yarn is thrown across the warp ends in the shed.

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3. Beating up. What is Beating up ?
   This is a movement of a loom whereby the reed is beaten up which forms the cloth.
4. Rolling the woven cloth in the cloth beam.
5. Releasing the warp from the warp beam for the weft to be interlaced. The above-simple mechanisms are the basis to all the looms except variations arise based on the pattern requirement for heavy or light fabrics.

What are the fabrics generally woven in plain loom ?

(1) Asbestos cloth   (2) Bag cloth
(3) Billiard cloth   (4) Blazer cloth
(5) Buckrum   (6) Calender cloth
(7) Calico   (8) Long cloth
(9) Grey cloth etc.

What are the fabrics generally woven on Dobby Loom ?

In dobby loom, 4 sets to 32 sets of yarns are woven. This gives geometrical pattern and most of finishing fabrics are woven in this loom.

(1) Bed covers with geometrical pattern.
(2) Corduroy.
(3) Braided fabrics.
(4) Crepe fabrics.
(5) Blanket range.
(6) Khaki Fabrics.
(7) Gaberdene
(8) Gents Shirting and Suiting.
(9) Drills
(10) Satin and Satten cloth.
(11) Gauze or leno fabrics
(12) Reversible fabrics
(13) Travel materials
(14) Velvet and velveteens etc.

JACQUARD-What is Jacquard ?

The famous apparatus designed by Mr. Joseph Marie Jacquard (1752-1834), invaluable in weaving finer kinds of figures silk fabrics. The invention of Jacquard machine is the most Important invention applied to hand looms; fabrics generally woven in Jacquard loom.

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Tapestry and any of complicated designs.

The dobby loom : How seed is formed-Princple features of a dobby loom mechanism.

WEAVING PRACTICAL SYLLABUS

Preliminary :

1. Understanding loom with special mention to all the individual parts.
2. Winding yarn form hank form to bobbin form.
3. Creeing leasing Taking Sections making the warp.
4. Dropping of beams i.e. winding the warp over the weaver beams.
5. Drawing of ends on the peddles or healds.
6. Drawing of ends on the reed.
7. Tying the warp on the weavers beam.
8. Tying of lams and pedals.

1st Lesson in weaving :

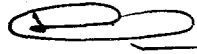|			
1.	Plane Weave		Take Samples 10"× 10" variation of plain weave
2.	Twill weave	3.	Variations of twill weaves
4.	Pointed weave	5.	Diamond weave
6.	Honey Comb	7.	Huck a back etc.

Suggested exercises for Textile Design :

Theme	:	4 ends setin
For	:	Table cloth
Method	:	Frame Loom
Colour Scheme	:	Colour found with 1/3"
Bold stripes	:	3" Apart
Requirement	:	12" × 12" sample
Samples	:	2 meters fabric
Special feature	:	(1) Straight draft
		(2) E.O.I.P.O. continued until exercises 22.

PRINTING SYLLABUS

Theory—What is Printing?

Styles of Printing :

(a) Direct style.

(b) Discharge style

(c) Resist style

(a) Direct Style-Printing with block, stencil, brush etc.

(b) Discharge Style-Pieces is dyed in one colour or shade. Discharge substances are printed. Discharges discharge by reducing agent.

(c) Resist style in this style portions of the fabric are resisted or covered by resisting substance which prevents the absorption of dye both at ordinary temperature.

Thickners of thickening Agents

1. Two classes : Temporary Thickners-Those which are used only as thickening agents and with are removed from fabric without affecting the colour.

2. Permanent Thickeners-Those which have a dual function of thickening and fixing and ultimately form the integral part of the colour.

   Choice of thicknening agents-starches-British Gum and gum Traga Centre-Gum Arabic Protein thickening agents-Albumen both egg and blood-Casin.

   What are chromophores? What are auxochromes?

3. Direct Style in detail : General outlines, techniques of making wooden blocks. Preparation and application of wooden blocks-application of dye paste in the fabric-Kalam Kari Work and Fabric Painting. Stencil Cutting.

4. Screen Printing : Preparation of printing table. Preparation of Screens Arrangements for screen printing-method.

5. Spary Printing : Rooler Printing-Single Colour Rooler Printing Machine. Multi-colour Printing Machinery (Rooler)

6. Merits and demerits of cylinder printing machine, Modification of the cylinder printing machines-Surface Printing machine. Penotine printing machine-Advantages and penotine printing machine. Faults in roller printing, Causes of the faults in roller printing. Nature of faults.

PRACTICAL:

Block Printing:

(1) Printing with various direct colours-with various shades.

(2) Printing of wool and silk with acid colours with various shades.

(3) Printing with basic colour.

(4) Printing with Breutogen and Breutamine fast colours.

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(5) Ahiline black.

(6) White discharge on direct colours.

(7) Yellow discharge on direct colours.

(8) Resist under Brenthols.

Stencils and Screen Printing :

1. Preparation of stencils spraying bring solution into a spray gun.

2. Preparation of screens. Printing with screens-Batick and tie and dye.

DYEING SYLLABUS

Theory : What is dyeing ?

Invention of Parins manveby W.G. Parking in the year 1856.

What is true dyeing ?

Classification of dyes-Classification according to dyeing mechanism.

What are chromophores? What are auxo chromes?

Dyeing Process

(1) Direct dyeing.

(2) Dyeing with reduced colour solution

(3) Producing colours Fibres

(4) Mordanting & dyeing

Special Dyeing Process :

(1) Cuprous coir method

(2) Pad steam process

(3) Uxbridge or submarine system

(4) Williams hot air process

(5). Standfast or mortar metal process

(6) Teomosol Process.

REACTIVE DYES

1. Procian dyes cotton : introduction-preparation of yarn for the dyeing scouring-bleaching Pretreatment with caustic soda.

2. Properties of Procian dyes : (Procian M and Procian H) Dying procedure in general salt soda additions for procian M dyes.

3. Dying procedure for procian H Dyes : Salt : soda ash additions for procian H Dyeing.

4. The substantive or direct dyestuffs-Properties Bleeding, topping, (Combination with basic dyestuffs to form less soluble compounds) theory of Dyeing with direct dyes. Application of Direct Dyestuffs to cotton General methods of Dyeing.

5. Acid Dyestuffs—Types of acid colour-General properties of Acid Dyestuff-Functions of Acid on wool. Application of Acid dyes in

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wool-preparation of woollen goods. Dissolving of acid dyes. Preparation of dyebath for Arid Colours General method for dyeing with Arid Colours. Effect of temperature.

Basic Dyes :

1. Introduction—Properties of basic dyes-Dissolving of basic dyes Assistants General method of dyeing silk with basic colours-Dyeing basic colour with natural soap.

2. Dispersed Dyestuff : (introduction) Application of dispersed dyestuffs for dyeing robbin dyeing machine-Cheese dyeing Machine.

3. Fabric dyeing Machine—Dyeing Which and Dyeing Jigger. *Pattern dyeing and dyeing of mixed Fibres.*

4. Cotton and Wool : Dyeing with Nanus dyestuffs.

5. Cotton and silk : Dyeing both fibres with the same.

6. Silk and Wool : Dyeing silk and wool.

Dying Practical :

1. It Dyeing of cotton yarn and fabric with direct colour to different shades say 0.5%, 1.0% .... upto 5% .... To have light .... Medium .... dark .... shades............ .

2. Diagotising of Dyestuffs : (Ciphany and Diagopheny fast dyestuffs Diagotising Developing.

3. Eclipse dyestuffs : (Sulphur colours)
   Dissolving of eclipse dyestuffs. Dyening with eclipse dyestuffs.

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23. INVESTIGATIVE BIO-TECHNOLOGY

Scheme :

Paper—I Theory   3 Hrs. Duration   40 Marks
      Min. Pass Marks 15

Paper—II Field Work and   40 Marks   Min. Pass Marks 15
Practical Experience

Practical   120 Marks   Min. Pass Marks 42
8 Hrs. Duration in two days.

Paper—I Parasitology, Systomic Pathology & Laboratory Management

Section - A

PARASITOLOGY :

1. Identification and outline of life cycle relevant to laboratory diagnosis of the following:

    (i)   Giardia   (ii)   E.H. & Other Intestinal amoebae

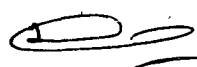|			
(iii)	Trichomonas	(iv)	Plasmadia
(v)	Laisamania	(vi)	Tenia
(vii)	Trichiaris	(viii)	Anchylostoma
(ix)	Ascaris	(x)	Oxyris
(xi)	Guinea Worm	(xii)	Filaria.

Section - B

ELEMENTARY TOXICOLOGY :

1. Introduction to Toxicology (history)
2. Classification of Poisons.
3. Fatal dose and fatal period of Chemical poisons.
4. Detection of Metallic Poisons.
5. Detection of Toxic anions.
6. Detection of Volatile Poisons.
7. Detection of Insecticides (Organo Phosphorus, Organo Chloro and Carbomates).
8. Detection of Plant Poisons (Alkalosidal and Clycosital)
9. Detection of Habit forming Toxic Drugs.
10. Screening Test for common poisons. (Literatrue and books on Toxicology).

Section - C

LABORATORY MANAGEMENT :

1. Design and lay out of the analytical laboratory.
2. Receipt of material and record-keeping.
3. Laboratory administration.
4. Prevention of laboratory accidents and laboratory infection.
5. Care of laboratory animals.
6. Collection and preservation of the material.
    — Water
    — Food ingredients
    — Prepared food
    — Milk and cold drinks
    — Fruit, Cane juice and the cream
    — Stool
    — Sewage
    — Blood and other materials connection with problems of health diseases and pollutants.
7. Transportation of these materials.
8. Presentation of the data including basic statistical methods.

Work for 60 days in any laboratory connected with Biochemical Microbiological, Serological, Hematologiaal and Pathological analysis recognised by the University.

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Paper—II : Field Work and Practical Experience

Paper - I Theory   3 Hrs. Duration   40 Marks

Min. Pass Marks 15

Paper-II Field work and   40 Marks

Practical Experience   3 Hrs. Duration   Min. Pass Marks 15

Practical   120 Marks   Min. Pass Marks 42

8 Hrs. Duration in two days.

The students will be required to work for atleast 50 hours in any Laboratory connected with above. A project will be submitted during practical examination to be examineu by a board of examiners for practical consisting of at least one external examiners.

PRACTICAL

(75×3 periods)   Max. Marks 120   Min. Pass Marks 42

8 Hrs. Duration in two days.

Unit - I : Microbiology

1. Skin scripting and their digestion for demonstration.

2. Fungi and preparation of wet mounts of exulaes for rungal examination.

3. Preparation and stains used for identification of fungi.

4. Demonstration of bacteriology of water, milk and food.

Unit-II : Protozoology

1. Collection of steel of demonstration of Protozoa parasite.

2. Warm slide technique for trophozoties and wet mounts for Protozoa.

3. Demonstration of cysts of E.G.-M. coli, Giardia etc.

4. Staining and examination of Blood for M.P.

5. Demonstration of trichomonas in vaginal smears.

Unit-III : Helminthology

1. Demonstration of adults worm.

2. Examination of Blood for microfilaria.

3. Collection and preservation of stool for helminithic intestine.

4. Demonstration of various Helminthic ova.

5. Examination of water for cyclops.

Unit-IV : Biochemistry

1. Estimation of total and direct billirubin for liver function test.

2. Chemical analysis for drinking water.
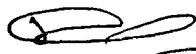
Unit-V : Serology

1. V.D.R.L. Qualitative and quantitative.

2. Wasserman reaction (WR)

3. Rosawallter Test and Rehumatoid Factor (R.F.)

4. Cold Agggulutmation and Paul Bunnal Test.

5. C.R.P. (C. reactive Proteins)
6. Pregnancy Test.

Unit-VI : Hematology

1. Revision of a staining of blood film and bonemarrow smears.
2. Blooding time, clotting time, Platelet count.
3. Prothombin Time (P.T.)

24. GARMENT PRODUCTION AND EXPORT MANGEMENT

Theory	1	Apparel Production	2	30	13	3
	2	International marketing	3	50	18	3
Practical	1	Clothing construction 3	4	60	26	4
	2	Dyeing & Printing 3		60	26	4

Paper - I: Apparel Production

BA/B. Com. MM 30

Hrs. 3   B.Sc. MM 50

Section - A: Merchandising Theory

1. Introduction to fashion merhandising: Merchandising planning, scheduling, buying & evaluation.
2. Visual Merchandising.
3. Careers in the Apparel Industry.

Section - B: Manufacturing Technology

1. Product Development, Design Development, Developing a sample garment.
2. Apparel Production : Costing a garment purchasing, patter making, production scheduling, spreading and cutting producers, contracting, garment assembly, finishing, quality control & labeling.
3. Introduction to industrial machines :

(a) Cutting   :   Round straight and band knife.

(b) Fusing   :   Collars, facing

(c) Sewing   :   Chain stitch, lock stitch, over lock, button hole, button sewing & blind stitching machine.

Section - C: Textile Testing

1. Definition & objectives of testing
2. Sampling
3. Fabric Properties : Thread count, handle & drape, pilling,

strength, tensile strength, tearing strength, grain line, dimen-sional stability.

Reference:

1. Booth, Principles of Textile Testing, CBS Publishers & Distributors, new Delhi
2. Skindle John H : Textile Testing Chemical Publishing Co. Inc., Brooklyn, New York.
3. Frings Stephens Gim, fashion form concept to consumer. Prentice hall, inc.

Paper - II: International Marketing

Hrs. 3

BA/B Com MM 50
BSc MM 50

Section - A

(1) Identification of markets for ready made garments, size of the markets, marketing entry conditions, sources, of information sale of approval, export order.

(2) market entry and channels of distribution direct and indirect export, role of trading and export houses.

Section - B

(3) Product planning: formal wear casual wear, institutional segments, and packaging for exports,

(4) Quality control (An elementary knowledge)

(5) Pricing, Role of Price and non Price factors, various elements of cost for export pricing contact condition quotation, information needed for export pricing.

(6) Selection of agent, agency agreements.

Section - C

(7) Distributional Logistics: Transportation shipping Vs Air, Customs and Excise formalities, pre-shipment inspect.

(8) Export Assistance measures.

(9) Marketing Plan.

(10) India Trade in Readymade garments.

(11) Trade fair and exhibition.

Reference's:

Varshney Bhattacharya, International Marketing Management :
An Indian perspective.

M.J. Mathew,. Management of Marketing.

Suresh C.J., International Marketing.

International Marketing : Rathod & Kothari

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Practical—I
Clothing Construction-III

BA/B. Com. MM 60
BSc MM 25

Hrs. 4

1. **Samples:**
   (a) Placket—Kurta
   (b) Pockets - Patch, Bound, Inseam, Kurta
   (c) Seam Finishes - Lapped Seam, Top Seam

2. **Drafting, cutting and stitching of following men's garment:**
   (a) Bengali Kurta with Aligarhi Pyjama/kalidar kurta.
   (b) Night suit
   (c) Lehnga choli (lined blouse)

Reference:

Jindal, Ritu, Handbook of Fashion Designing
Kallal, Mary Jo, Construction.
Mitchell Beazley, The Sewing Book a complete practical guide.

Practical - II: Dyeing and Printing
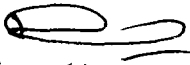
BA/B Com MM 60
BSc MM 25

Hrs. 4

1. Dyeing : Tie and Dye and Batik
   Use of various dyes on different fabrics.
2. Printing : Block and Screen printing.
   Use of various printing paste on various fabrics.
3. Design development and adjustment for various types of Prints for Apparel and home furnishing with:
   Natural, Stylized, Geometrical and Abstract Motifs

Reference:

Prayag : Tecnology of Textile Printing.
Shenai : Technologies of Dyeing

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2 - राजस्थानी

इसमें दो प्रश्न-पत्र होंगे :

प्रथम—प्राचीन राजस्थानी साहित्य एवं निबंध

द्वितीय—राजस्थानी भाषा तथा राजस्थानी साहित्य का इतिहास

परीक्षा योजना	न्यूनतम उत्तीर्णांक 72	पूर्णांक 200
प्रथम प्रश्न-पत्र	समय 3 घंटे	अंक 100
द्वितीय प्रश्न-पत्र	समय 3 घंटे	अंक 100

प्रथम पत्र : प्राचीन राजस्थानी साहित्य एवं निबंध :

(क) एक प्रश्न व्याख्या से संबंधित (कुल दो व्याख्याएँ) 2 × 16 = 32

(ख) दो प्रश्न-प्रत्येक पुस्तक पर एक-एक आलोचनात्मक प्रश्न 2 × 20 = 40

(ग) एक प्रश्न निबंध 1 × 28 = 28

निबंध अनिवार्यत : राजस्थानी भाषा में लिखना होगा।

यह राजस्थानी भाषा के किसी भी क्षेत्रीय रूप में लिखा जा सकता है।

पाठ्य पुस्तकें :

1. राजस्थानी साहित्य संग्रह, भाग प्रथम, सम्पादक-नरोत्तम दास स्वामी, राजस्थान प्राच्य विद्या प्रतिष्ठान, जोधपुर।

   (इस संग्रह में संकलित खींची गंगेव नीबाबत रो दोपहरौ को छोड़कर शेष अंक यथावत रहेंगे।)

2. ढोला मारू रा दूहा-संपादक-स्वामी, रामसिंह पारीक, नागरी प्रचारिणी सभा, वाराणसी। (इसमें से आरम्भ के 100 दोहे पाठ्यक्रम में रहेंगे)।

सहायक ग्रंथ :

1. प्राचीन काव्यों की रूप परम्परा, अगरचंद नाहटा, भारतीय विद्या मंदिर शोध प्रतिष्ठान, बीकानेर।

2. ढोला मारू रा दूहा—डॉ. शंभूसिंह मनोहर। स्टूडेन्ट्स बुक कम्पनी, चौड़ा रास्ता, जयपुर।

द्वितीय प्रश्न-पत्र : राजस्थानी भाषा तथा राजस्थानी साहित्य का इतिहास

परीक्षा योजना	न्यूनतम उत्तीर्णांक 72	पूर्णांक 200
प्रथम प्रश्न-पत्र	समय 3 घंटे	अंक 100
द्वितीय प्रश्न-पत्र	समय 3 घंटे	अंक 100

इसमें पाँच प्रश्न होंगे। 2 प्रश्न राजस्थानी भाषा में तथा 3 प्रश्न राजस्थानी साहित्य के इतिहास से संबंधित होंगे। प्रत्येक प्रश्न 20 अंक का होगा। 5×20=100

(क) राजस्थानी भाषा से संबंधित राजस्थानी भाषा का उद्भव और विकास राजस्थानी की विशेषताएँ-राजस्थानी की विभिन्न बोलियाँ, उनकी विशेषताएँ, उनके क्षेत्र, डिंगल-पिंगल हिन्दी और राजस्थानी।

(ख) राजस्थानी साहित्य के इतिहास से संबंधित-काल विभाजन-आरम्भिक काल, मध्य काल तथा आधुनिक काल, इन कालों की प्रमुख प्रवृत्तियाँ, काव्य धाराएँ, गद्य विधाएँ, प्रमुख रचनाएँ और रचयिता। राजस्थानी लोक साहित्य का सामान्य परिचय।

सन्दर्भ ग्रंथ :

1. पुरानी राजस्थानी-डॉ. टैसीटरी, अनुवादक-डॉ. नामवरसिंह, नागरी प्रचारिणी सभा, वाराणसी।

2. राजस्थानी भाषा, डॉ. सुनीतिकुमार चटर्जी, साहित्य संस्थान, उदयपुर।

3. राजस्थान का भाषा सर्वेक्षण, जार्ज ग्रेयर्सन अनुवादक डॉ. आत्माराम जाजोदिया राजस्थानी भाषा प्रचार सभा बनीपार्क, जयपुर

4. राजस्थानी भाषा और साहित्य—डॉ. मोतीलाल मेनारिया, हिन्दी साहित्य सम्मेलन, प्रयाग।

5. राजस्थान का पिंगल साहित्य—डॉ. मोतीलाल मेनारिया, हितैषी पुस्तक भण्डार, उदयपुर।

6. आधुनिक राजस्थानी साहित्य प्रेरणा स्रोत और प्रवृत्तियाँ—डॉ. किरण नाहटा, चिन्मय प्रकाशन, चौड़ा रास्ता, जयपुर।

7. राजस्थान का लोक साहित्य, नानूराम संस्कर्ता, रूपायन संस्थान. बोरूंदा (जोधपुर)।

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26. SHEEP AND WOOL

(To be offered by the Collegiate student of
Shri B.D. Todi College, Lacchmangarh (Sikar) only)

Scheme :

Min. Pass Marks : Theory 48   Max. Theory 132 Marks

Min. Pass Mark : Practical : 24   Max. Practical 68 Marks

Paper-I   3 Hrs. Duration   66 Marks

Paper-II   3 Hrs. Duration   66 Marks

Practical   4 Hrs. Duration   68 Marks

Syllabus :

Paper—I: Wool Grading and Processing :

Classification of fleece-Bulk classification. Visual appraisal for apparel and carpet wools. Various types of Wool. Wool quality, length, fineness, colour, vegetable content yield.

Grading of Wool : Fine, medium, strong, coarse, white, light yellow, heavy yellow, burru, stained, black. Spinning counts for

Various types of wools. Salient features of International grades. Agmark ISI specification. Wool utilisation, blending, scouring, carding combing, spinning, weaving, knitting, felting. Woollen and Worsted system. Elementary principles of dyeing and finishing.

Scheme :

Min. Pass Marks : Theory 48   Max. Theory 132 Marks
Min. Pass Mark : Practical : 24   Max. Practical 68 Marks
Paper-I   3 Hrs. Duration   : 66 Marks
Paper-II   3 Hrs. Duration   66 Marks
Practical   4 Hrs. Duration   68 Marks

Syllabus :

Paper-II : Marketing of Sheep and Sheep Products :

Common practice of sale procurement of sheep and sheep products. Important Sheep products and their uses - Wool, mutton skin, bone, manure, milk etc.

Marketing of wool-regulated markets of wool particularly of Rajasthan, Wool Mandis-Krishi Upaj Mandi, Sheep and Wool Federation, regulations etc.

System of wool purchase of Rajasthan, Marketing systems adopted by Government of Rajasthan.

Wool handling, storage, packing, transportation etc.

Mutton marketing : Mutton Production, potential of Rajasthan and relative position in the country, Existing marketing system of mutton. Establishment of modern abbatores and their utility, common by-products of sheep slaughtered and their relative economic value. storage preservation of meat.

Market intelligence and pricing pattern and trends of sheep and sheep products.

Sheep and wool entrepreneurship : Financing agencies and resources mobilisation. Assistance from Banks, State Government, Co-operative etc.

Practicals   4 Hrs. Duration each   68 Marks
(Based on Paper I & II)   Min. Pass Marks 24

27 28. LIVESTOCK & DAIRYING

(Pragya Mahavidyalaya, Bijai Nagar and Govt. College, Rajgarh)

Scheme :

Min. Pass Marks : Theory 48   Max. Theory 132 Marks

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Min. Pass Mark : Practical : 24   • Max. Practical 68 Marks
Paper-I   3 Hrs. Duration   66 Marks
Paper-II   3 Hrs. Duration   66 Marks
Practical   4 Hrs. Duration   68 Marks

Paper—I : Livestock Products, By-Products and Their Uses
3 Hrs. Duration   66 Marks

1. Meat Slaughter houses, method of slaughtering meant hygiene, storage, preservation and marketing.
2. Skin—Method of skining, types of skin, its preservation, tanning, dyeing uses, various products of skin.
3. Horns, hoofs, Bonnes, intectives—collection, processing and uses.
4. Wool Shearing, grading, processing and uses.
5. Animal wastes—Gobar, blood, urine, their collection, storage, processing and utilization. Composts and mannures.
6. Gobar Gas : Construction and types of plant. Production, Utilization of gas.
7. Milk by-Products skim milk, ghee, butter milk and their uses, manufacture of elasein.

Paper—II : Dairy Economics
Scheme :

Min. Pass Marks : Theory 48   Max. Theory 132 Marks
Min. Pass Mark : Practical : 24   Max. Practical 68 Marks
Paper-I   3 Hrs. Duration   66 Marks
Paper-II   3 Hrs. Duration   66 Marks
Practical   4 Hrs. Duration   68 Marks
3 Hrs. Duration   66 Marks

1. Dairy Economics—Its definition meaning and scope, importance of the study of dairy economics in relation to India and Rajasthan.
2. Consumption of dairy products—demand and supply of milk and milk products in India and Rajasthan, Determination of price, price and income, elasticities of demand, cross elasticity.
3. Production of dairy products, principles of production and applied to milk and milk products, costs of production, law of diminishing returns, least cost combination, opportunity cost principles enterprize combinations, comparative advantage.

4. Profit/Efficiency measures, measures on a dairy farm-Gross income, net income, return to factor of production as labour income, return to capital, return to management, etc. Efficiency measures for Labour, capital, Liverstock production index. Economics of dairy farm vis-a-vis, mized farms, Basic ideas of personnel management.

5. Marketing of dairy products—The nature and problems of marketing in dairy products and how they differ from farm products, marketing functions, marketing agencies & institute Live stock markets and cattle fair, marketing costs & margins.

6. Budgeting and planning on dairy farms.

7. Dairy Cooperatives—History, development, Organization and set up dairy cooperatives in India and abroad, role and types, problems and suggestions for improvement.

8. Role of credit and dairy finance—need, types and sources of credit availability on diary farms. Principles of dairy financing and repayment procedures.

9. Price policy and role of government in regulating pricing of dairy products. Role of Government in the establishment of dairy farm.

Practicals :

4 Hrs. Duration   68 Marks

1. Study of slaughtered cares of an animal—determination of proportions of edible and non-edible parts, bones and flash, dressed percentage.

2. Preservation of skin.

3. Shearing of sheep, grading of wool.

4. Preparation of decorative items from horns and hoofs.

5. Preparation of case in, its storage and disposal.

6. Study of Gobar Gas Plant, making of slvrty, changing the plant, removal of decomposed dung.

7. Determination of overall and wet average yields of animals.

8. Working out the requirements for starting a dairy with different number of animals.

9. Working out the cost of milk production under different conditions of management and production.

10. Preparation of credit proposal for starting a dairy farm with different number of animals.

11. Visit to dairy farms, lead banks and their financing institutions.

28. ANTHROPOLOGY

B.A. Part III

Min. Pass Marks = 72
Paper – I
Paper – II

Max. Marks = 200
Marks = 100
Marks = 100

Note: The paper will contain nine questions having three questions in each section. Candidates are required to attempt five questions in all selecting area one question from each section

Paper-I Research Methodology in Anthropology

UNIT-I

Nature of Anthropological Research. An introduction to major theoretical Perspectives: Evolutionism (Morgan, Tylor); Diffusionism (Kroeber) Functionalism (Malinowski)

UNIT-II

History of field work in Anthropology. Concept and relevance of Social Research. Steps in Scientific Research. Definition and Delimitation of Problem

UNIT-III

Techniques of Data Collection: Primary: Interview, Observation, Questionnaire, Schedule, Case-Study Method. Secondary sources of data collection: Census, Historical documents and Personal documents.

Lists of Books

Bernard, H.R., 2008, Research Methods in Anthropology, New Delhi, Rawat Publications.

Danda, Ajit, 1992, Research Methodology in Anthropology, New Delhi, Inter-India.

Goode & Hatt, 1983, Methods in Social Research, McGraw Hill International.

Pritchard, E.E. Evans, 1966, Social Anthropology and Other Essays, New York, Free Press.

Srivastava, V.K. ed., 2004, Methodology and Fieldwork, New Delhi, Oxford University Press.

Wilkinson, T.S. & Bhandarkar, P.L., 1994, Methodology and Techniques of Social Research, Bombay, Himalaya Publishing House.

Young, Pauline, 1984, Scientific Social Surveys and Research, New Delhi, Prentice Hall of India.

पाण्डेय गया, मानवशास्त्रीय सिद्धान्त शास्त्रीय एव आधुनिक नइ दिल्ली कन्सेप्ट पब्लिशिंग हाउस

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UNIT-I

Characteristics of Indian Culture: Purushartha, Varna Vyavastha, Ashram Vyavastha, Sanskara.

UNIT-II

Concepts of Great Tradition and Little Tradition: Universalization and Parochialization; Social Stratification: Caste and Class. Sanskritization and Westernization. Concept of Peasant Society. Folk-Urban continuum.

UNIT-III

Nature of Indian diversity and problems of National integration. Social and Cultural problems in Development.

List of Books:

Ahuja Ram, 1993. Indian Social System. Jaipur. Rawat Publications

Marriott Mckim, 1955. Village India: Studies in Little-Community. Chicago University of Chicago Press.

Sharma K.L., 1997. Social Stratification in India. New-Delhi. Sage Publications.

Singh Y., 1999. Modernization of Indian Tradition. Jaipur. Rawat Publications.

Srinivas M.N., 1966, Social Change in Modern India, California. Los Angeles.

आहूजा राम 2000, भारतीय समाज, जयपुर, रावत पब्लिकेशन्स।

योगेन्द्र सिंह 2006, भारतीय परम्परा का आधुनिकीकरण, रावत पब्लिकेशन्स, जयपुर अनुवादक: अरविन्द कुमार अग्रवाल

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29. DRAMATICS

(Revised Syllabus)

Paper-I   Western and Oriental Acting Theories - Theory

Duration – 3 Hours   Max. Marks– 50   Min. Pass Marks - 18

I. Study of acting styles in:
  a.   Greek Theatre with reference to Sophoclese
  b.   Elizabethan Theatre with reference to Shakespeare
  c.   Renaissance Theatre with reference to Mollier
  d.   Realistic Theatre
II. Selective study of Poetics
III. Study of Stanislavski and Method Acting
IV. Study of Acting in Epic Theatre of Brecht
V. Study of Oriental theatre with reference to Japanese Kabuki, **Noh and Bunrako**

VI. Study of following plays:
  a. Greek Plays
      1. Oedipus - Sophoclese
      2. Antigone - Sophoclese
  b. Elizabethan Plays
      1. Othello - Shakespeare
      2. Merchant of Venice - Shakespeare
  c. Renaissance Plays
      1. Mock Doctor - Mollier
      2. Miser - Mollier
  d. Realistic Plays
      1. Doll's House
      2. House of Bernada Alba
  e. Epic Plays
      1. Good Woman of Setzuan - Brecht
      2. Three Penny Opera - Brecht

Books Recommended :
1. History of Theatre - Oscar Brockett
2. Introduction to Theatre - Frank M Whiting
3. Natyakala ke Teen Sahastra Varsh - Sheldon Chenny (Tr. Sitaram Chaturvedi)
4. An Actor Prepare - Stanislavski (Tr. Vishwanath Mishra)
5. Arastoo Ka Kavyashastra - Dr. Nagendra
6. Japanese Theatre - F. Bowers
7. Brecht on Theatre - Tr. John Willett
8. All the plays prescribed in Ch. VI

Paper-I : Scene Designing :

a. Brief Study of the development of Threatre Building.
b. Definition and study of basic Principles of Scene Designing.
c. Study of Conventions of Natyashalas un Natyasastra.
d. Functions and Different Forms of Scenery.
e. Study of the Process of the Scene Construction

Paper—I : Acting Practical :

Max. Marks : 50   Min. Marks 18   Duration 4 hrs.
a. Enactment and Dramatic narration of observations.
b. Practical Study of Class gestures. Master gestures and their importance.

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c. Street Plays and Group Improvisations.
d. Participation in production of any one the play prescribed in the Paper-I.
e. Submission of Workbook and Assignments.

Paper—II : Scene Designing

Practical

Max. Marks : 50   Min. Marks 18   Duration 4 hrs.

(a) Cross Section of Theatre Building.
(b) Rough Sketches and Mechanical Drawing such as Plans Elevations. Working drawings, Cross Sections, Isometic, Orthographic and Perspective Drawings.
(c) Model making of a Set.
(d) Submission of Workbook and Assignments
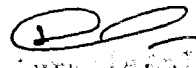
Books Recommended :

Paper-I : Acting

1. Building a Charactor, K. Stanisalvsky.
2. Creating a Role, K. Stanisalavsky.
3. Hindi Abhinav Bharti, Vishweshar.
4. Brech on theatre (Selected chapters) Tr. John Willet.
5. A Primer of Acting, C. Lowell Lees.

Paper-II : Scene Designing

1. Designing and Painting for Theater Lynn, Pecktel.
2. Sceneriography and Stage Technology, W.F. Bellman.
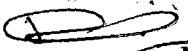3. Scene Designing and Lighting Parker, and Smith.

VOCATIONAL SUBJECTS
30 COMPUTER APPLICATIONS
(Under Graduate Courses)
B.A./B.Com./B.Sc. Part III

Paper-I	Computer Aided Drafting	50	65
Paper-II	Advanced Topics in Computers	50	65
Paper-III	Report, Report on the Job training and entrepreneurship, Development	50	70
Practical	Programming Laboratory		
	On-the-job training 4 weeks	50	70

The duration of these paper will be 3 hours.

Paper-I
COMPUTER AIDED DRAFTING

Introduction to AUTOCAD/ROBOCAD or a similar package. Advanced features of these package. Drawing the plan of a building using AUTOCAD etc. Analysis features of AUTOCAD.

Paper-II
ADVANCED TOPICS IN COMPUTER

Computer animation. Artificial intelligence. Desiccated computer. ATMs. Data encryption. Data communication and networking (Course to be modified every to take care of the latest development). Visits to computer industry.

Practical :

Design of layout of a building. Design of interior of its rooms. Printing and plotting the prepared drawings.

Practical :

Design of layout of a building. Design of interior of its rooms. Printing and plotting the prepared drawings.

It will also include Project Report, Report on the job training and Entrepreneurship development.

31. INDIAN HERITAGE IN RURAL HANDICRAFTS
B.A. Part III

Scheme	Max.Marks	Min. Pass Marks
1. Practical Paper I 5 Hrs. Duration	70	25
2. Practical Paper II 5 Hrs. Duration	70	25
3. Submission	60	22
	220	**72**

Syllabus

Paper I practical 5 Hrs. Duration	Max. Marks	Min. Pass Marks
	70	25

a) Clay modelling (sculpture)
b) Ceramics and pottery

Paper II practical 5 Hrs. Duration	Max. Marks	Min. Pass Marks
	70	25

Wood work

a) Fabrication of toys, sculptures
b) Furniture

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Submission work : Max. Marks 60 Min. Pass Marks 22

Note (1) : Submission work will be submitted to the head of the departments of Rural Handicrafts of the college 15 days before the commencements of examination. The marks in the submission will be Awarded by the subject teacher (Internal). However the external examiner shall be empowered to review the work of submission in case there is drastic difference between the marks of the examination and submission.

B.A. Part-III

Paper-I Scientific Principles of Sports Training & Coaching

Duration : 3 Hrs. Total Periods : 104 Max. Marks:100

Note: The paper will contain ten questions having atleast two questions from each Unit. Candidates are required to attempt five questions in all taking atleast one question from each unit.

Unit-I

I. **Sports Training**
   (a) Definition of the terms.
       (i) Conditioning
       (ii) Training
       (iii) Coaching
   (b) Definition, aim and characteristics of Sports Training.
   (c) Principles of Sports Training.

II. **Training and Load**
   (a) Important features of training load.
       (i) Intensity
       (ii) Density
       (iii) Duration
       (iv) Frequency.
   (b) Principles of Training load
   (c) Over lad
       (i) Causes
       (ii) Symptoms

Unit 2

Motor Components
(i) Strength
   (a) Types of strength
   (b) Characteristics of Strength
   (c) Factors determining Strength

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(ii) Endurance
- (a) Form of Endurance
- (b) Importance of Endurance
- (c) Characteristics of Endurance
- (d) Types of Endurance

(iii) Speed
- (a) Form of Speed
- (b) Factors of determining speed

(iv) Flexibility
- (a) Importance
- (b) Meaning
- (c) Types
- (d) Factors determining flexibility.

(v) Coordinative abilities
- (a) Characteristics
- (b) Importance
- (c) Types
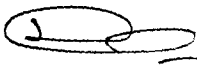- (d) Classification

Unit 3

(a) Technique tactic & Planning
- (i) Meaning
- (ii) Definition of skill
- (iii) Techniques and Technical training
- (iv) Characteristics of Techniques
- (v) Aims of Techniques
- (vi) Methods of Technique Training
- (vii) Causes and Correction of Faults

(b) Tactics
- (i) Meaning
- (ii) Principles of Tactical Preparation
- (iii) Training Process

(c) Planning: Principle of planning, type of planning

(d) Physical fitness & their effect

Unit 4

Scientific principles: equilibrium, force, motion lever. Law of motion and their application in different sports games.

Unit 5

Psycho-Sociological aspects of Sports Training.

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   (a) Competition
      (i) Functions of Competition
      (ii) Competition Frequency
      (iii) Preparation for Competition
          (Psychological preparation)
   (b) Role of Motivation in Sports.
   (c) Leadership in Sports Book
   (d) Group behaviour in Sports Book
   (e) Audience and Sports Performance

Reference Books (Third year)

1. Cratty S. Perceptual and Motor Development in infants and children. Prentice Hall, 1979.
2. Dick F.T. Sports Training Principles Lepus, London, 1980.
3. Jenson, C.R. Fisher, A.G. Scientific Basis of Athletic conditioning Lea and Febiger, Philadelphia, 1972.
4. Matveyew, L.P. Fundamentals of Sports Training. (Translation from Russian) Mr. Publisher, Moscow, 1981.
5. Pyke, Frank, S.Towards Better Coaching. Australian Government Publishing Service Camberra, 1980.
6. Sing, H. Sports Training, General Theory and Methods, N.I.S. Patiala, 1984.
7. Willmore, U.M. Athletic training and Physical Ed. Fitness Allyn and. becom. Inc. Sydney, 1977.
8. D. Harre, Principles of Training.
9. Singh, Hardayal, Science of Sports Training for D.V.S. Publications.
10. Davis R.J. Ball, C.R. Rescee J.V., Roscoc D.A. Physical Education and the Study of Sports Wolfo publishing Ltd.

Paper-II   **Duration 4 Hrs.**   **Max. Marks : 100**

Practicals: Mandatory Change

I. Specialization game, one which the student had opted for last two year as major game. Test will be conducted in its skill. Rules and regulation and officiating.
   Note: Specialization skill test consist of the following for the various games.
   A. (i) Hockey - Harbans Singh Hockey Test.
      (ii) Basketball - Johnson Basketball ability test.

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(iii) Volleyball - Bardy Volleyball test.

(iv) Badminton - Lockart and MC -Pherson Badminton test.

(v) Soccer - Mc Donald Soccer test.

B. Specialization Record book

II. Any one has to be opted:

(A) Secondary game

(a) Secondary game

(i) Basketball

(ii) Volleyball

(iii) Handball

(iv) Hockey

(v) Cricket

(vi) Football

(b) Track and field (Heptathalan)

(i) High jump

(ii) Shotput

(iii) 200 mt.

(iv) Long jump

(v) Javelin

(vi) 800 mt.

(B) Racket game - Badminton

(C) Yoga Asanas

The scheme of Examination B.A. Part-I, II and III in Physical Education subject laid down as per University other optional subjects.

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32. PHYSICAL EDUCATION

There shall be two theory papers of 60 marks each, and a practical examination carrying 80 marks. A candidate must pass in theory and practical examination separately.

Paper-I
Health Education

Time : 3 Hours   Max. Marks 60   Min. Pass M. 22

Unit-I

Meaning of Health Education, its need and scope for college students; aims, objectives and principles of Health Education.

Unit-II

Concept of Health and Fitness; the importance of health to individual, family, community and the State; Meaning of Mental Health and its relation ship with Physical health.

Unit-III

Balanced diet and nutrition, misconceptions about food, function of food in the body, essential body nutrients and other components of food, required diet for sportsman, adverse effects of tobacco, alcohal and intoxicating drugs.
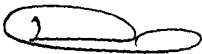
Unit-IV

Need and importance of personal hygience, environmental hygine, food hygine, communicable disease and its posture-common postural defects, their causes and remedies.

Unit-V

Importance and general principles of safety education for preventing accidents in physical Education and sports. Common accidents in games and sports and its first aid treatments.

Books for Reference :

1. Lawrence, Thomas Gordan; Schriver, Alico : Powers; Douglas F. and Verhans Levia — Your Health and Safety Har Court, Brace & World, Inc. New York 1969
2. Bauer, W.U. (Editor) — Today's Health Guide Americal Medical Association Revised Edition, 1968.
3. Johns, Edward P. Suttan, Wilfred C., and Webster, Lloyd C. — Health for effective living No Craw Hill Book Company New York, 1970
4. Stack, Harbett, J: Duke Elkow Education for safe living, Englewood Cliffs, Now Jerscy, Prontice Hall Inc. 1966.
5. Evans, A. William Everyday Safety, Chicago; Lyons and Carnashan, 1952.
6. Floria, A.A. & Stafford G.T.- Safety Education; New York Mc Graw Hill Book Co. 1969.
7. Park J.E. Text Book of Preventive and Social Medicine Banarsidass Bharat, 1980.
8. Ajmer Singh etc. : Basis of Physical Education, Health & Sports B.A. I : Kalyani Publication Ludhiana.
9. Ajmer Singh etc. Basis of Physical Education, Health & Sports (B.A. II) : Kalyani Publication Ludhiana.
10. Ajmer Singh etc. Basis of Physical Education, Health & Sports (B.A. Pt III) : Kalyani Publication Ludhiana.

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11. Sharma & Granth Singh : Physical & Health Education : Asha Prakashan Greh, New Delhi.
12. Datta A.K. & Mazumdar I. : Student teaching in Physical Education : Janvani Prakashan Pvt. Ltd., Delhi.
13. अजमेर सिंह और अन्य शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए. I) : कल्याणी पब्लिकेशन लुधियाना।
14. अजमेर सिंह और अन्य : शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यक्रम (बी.ए. पार्ट I व III) : कल्याणी पब्लिकेशन लुधियाना।
15. मोहम्मद वाहिद और दीक्षित एन.के. : शारीरिक शिक्षा का इतिहास : डालीगंज रेलवे क्रासिंग लखनऊ।
16. मोहम्मद वाहिद और दीक्षित एन.के. : शारीरिक शिक्षा में शिक्षण विधि डालीगंज रेलवे क्रॉसिंग लखनऊ।
17. पाण्डेय लक्ष्मीकान्त : शारीरिक शिक्षा की शिक्षण पद्धति : मैट्रोपोलिटन बुक नं. प्रा. लि., नई दिल्ली।
18. सिंढाना अशोक कुमार : शारीरिक शिक्षा सिद्धान्त, मनोविज्ञान एवं इतिहास : श्रीयांस पब्लिकेशन्स जयपुर।
19. भाटिया ए.एल. और बघेला हेत सिंह : शरीर रचना, क्रिया शास्त्र, स्वास्थ्य शिक्षा, सुरक्षा शिक्षा, प्राथमिक चिकित्सा और आहार : श्रीयांस पब्लिकेशन्स जयपुर।
20. कमलेश और संग्राल : शारीरिक शिक्षा के सिद्धान्त व इतिहास : प्रकाश ब्रदर्स लुधियाना।
21. वैष्णव राजेन्द्र प्रसाद : शारीरिक शिक्षा का संगठन व विधियाँ : श्रीयांश पब्लिकेशन्स जयपुर।

Paper-II
Test and Measurement

Time : 3 Hours   Max. Marks 60   Min. Pass M. 22

Unit-I : Introduction

1. Meaning of tests, measurements & Evaluation, Need & Importance of Tests & Measurement in Physical Education.
2. Meaning of Statistics, Need & Importance of Statistics.
3. Frequency Tables-Meaning, Construction & Uses.

Unit-II : Fundamental of Statistics

1. Measures of Central Tendency-Meaning, uses and Calculation from Frequency Tables.
2. Graphical representation of Data-Meaning uses and Techniques.
3. Percentiles-Meaning, Uses and Calculations.

Unit-III : Test Evaluation and Construction

1. Item to be included in Objective and Subjective tests.
2. Criteria of tests selection.
3. Administration of Testing programme.

Unit-IV : Measurement of Physical Fitness and Skill Performance

1. Fitness Tests : Apeard, JCR Test, Candian Fitness test.
2. Sports skill Tests : Johnson Basket ball Ability Test, MC Donald Soccer Test, Dribble and Goal Shooting Test in Hockey.

Unit-V

Dimeneiors and Markin of Playfields Football, Volleyball, Basketball, Cricket, Hockey and Badminton.

Books Recommended :

1. Clarke H.H. Application of Measure to Health and Physical Education, Englewood Cliffs, N.J. Precentice Hall Inc.
2. Larson I.A. and Yacom, R.D. Measurement and Evaluation in Physical Health and Recreation Education, St. Louis : C.V. Moslay Company 1957.
3. Mathew, Donald K. Measurement in Physical Education, London; W.B. Saunders Company 1973.
4. Neilson N.P. : An Elementary Course in statistice Test and Measurement in Physical Education. National Test Polo Athletic 1960.
5. Ajmer Singh etc. : Basis of Physical Education, Health & Sports, B.A. I : Kalyani Publication Ludiana.
6. Ajmer Singh etc. Basis of Physical Education, Health & Sports (B.A. II) : Kalyani Publicaiton Ludhiana.
7. Ajmer Singh etc. Basis of Physical Education, Health & Sports (B.A Pt.III) : Kalyani Publication Ludhiana.
8. Sharma & Granth Singh : Physical & Health Education : Asha Prakashan Greh, New Delhi.
9. Datta A.K. & Mazumdar 1. : Student teching in Physical Education : Janvani Prakashan Pvt. Ltd., Delhi.
10. अजमेर सिंह और अन्य शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए. I) कल्यानी पब्लिकेशन लुधियाना।
11. अजमेर सिंह और अन्य शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए.p III) कल्यानी पब्लिकेशन लुधियाना।

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12. मोहम्मद वाहिद और दाक्षित एन.के. : शारीरिक शिक्षा का इतिहास : डालीगंज रेलवे क्रासिंग लखनऊ।

13. मोहम्मद वाहिद और दीक्षित एन.के. : शारीरिक शिक्षा में शिक्षण विधि : डालीगंज रेलवे क्रॉसिंग लखनऊ।

14. पाण्डेय लक्ष्मीकान्त : शारीरिक शिक्षा की शिक्षण पद्धति : मैट्रोपोलिटन बुक कं. प्रा. लि., नई दिल्ली

15. सिढ़ाना अशोक कुमार : शारीरिक शिक्षा सिद्धान्त, मनोविज्ञान एवं इतिहास : श्रीयांस पब्लिकेशन्स जयपुर

16. भाटिया ए.एल. और बघेला हेत सिंह : शरीर रचना, क्रिया शास्त्र, स्वास्थ्य शिक्षा, सुरक्षा शिक्षा, प्राथमिक चिकित्सा और आहार : श्रीयांश पब्लिकेशन्स जयपुर

17. कमलेश और संग्राल : शारीरिक शिक्षा के सिद्धान्त व इतिहास : प्रकाश ब्रदर्स लुधियाना।

18. वैष्णव राजेन्द्र प्रसाद : शारीरिक शिक्षा का संगठन व विधियाँ : श्रीयांश पब्लिकेशन्स जयपुर।

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