University of Rajasthan
Jaipur

SYLLABUS

B.A. PART-III

EXAMINATION – 2019

CONTENTS

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2.

Scheme Of Examination
B.A. Part III Examination
(Under 10+2+3 Pattern)

R.11 (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 practical 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 & III Examination, taken
                 together
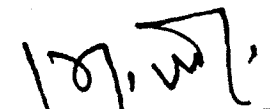
All the rest will be declared to have passed the Examination if they obtain the minimum pass marks in each subjects, viz. 36% No division shall be awarded at the Part-I and Part-II examination.

Optional Subjects: (Any three of the following subject to the restriction as mentioned in O. 203 - I)

S. No.	Name of the Subject
1.	English Literature
2.	Hindi Sahitya
3.	Urdu
4.	Persian

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3

5. Sanskrit

6. Philosophy

7. History

8. Political Science

9. Indian Music

10. Public Administration

11. Drawing & Painting

12. Sociology

13. German

14. French

15. Home Science

16. Mathematics

17. Economics

18. Geography

19. Statistics

20. Applied Statistics

21. Psychology

22. Textile Craft

23. Investigative Bio-Technology

24. Garment Production & Export Management

25. Rajasthani

26. Sheep & Wool

27. Live Stock & Dairying

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4

28.	Anthropology
29.	Dramatics
30.	Vocational Computer Application
31.	Indian Heritage in Rural Handicraft
32.	Physical Education

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, Mathematics, Economics, Geography and psychology will be set both in the Faculties of Social Science and Science. The allocation of marks will however be different as mentioned in the booklet of syllabus.

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5

ENGLISH LITERATURE
BA Part III
2019

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

6

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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 Pawar: 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 short stories from *Texts and Their Worlds* edited by Anna Kurian

Foundation Books, 2005:

Munshi Premchand: The Shroud

7

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* |
| Charlotte 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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B

पूर्णांक 100

न्यूनतम उत्तीर्णांक 36

खण्ड – 'अ'

आधुनिक काव्य

1. **अयोध्या सिंह उपाध्याय हरिऔध**
   प्रिय प्रवास – सर्ग 6 प्रथम 40 छंद

2. **मैथिलीशरण गुप्त**
   साकेत – नवम सर्ग

   1. वेदने तू भी भली बनी .... पाऊं प्राण धनी
   2. निरखी सखी ये खंजन आये .... अश्रु सूखा कर लाये
   3. विरह संग अभिसार भी .... और एक संसार भी
   4. दोनों और प्रेम पलता है .... मुझे यही खलता है।
   5. आ आ मेरी निंदिया गूंगी............ मैं न्यौछावर हूँ जी
   6. कहती मैं, चातकि फिर बोल .... उर कै कल–कल्लोल
   7. सखि निरखि नदी की धार .... आगे नखीं सहागै

   यशोधरा
   1. सखि, वे मुझसे कहकर जाते
   2. अब कठोर हो बज्रादपि ओ कुसुमादपि सुकुमारी
   3. हे मन आज परीक्षा तेरी

3. **जयशंकर प्रसाद**
   कामायनी – श्रद्धासर्ग – प्रथम 20 छंद
   आंसू – रो–रोकर सिसक–सिसक कर कहता............. कुछ सच्चा स्वयं बना था

4. **सुमित्रानंदन पंत**
   1. प्रथम रश्मि
   2. मौन निमन्त्रण
   3. द्रुत झरो

5. **अज्ञेय**
   1. बाबरा अहेरी
   2. भीतर जागा दाता
   3. सॉप
   4. यह दीप अकेला

6. **मुक्तिबोध**
   1. जन जन का चेहरा एक
   2. दूर–तारा
   3. खोल आंखें

7. **धूमिल**
   1. प्रौढ़ शिक्षा
   2. मोचीराग

8. **दुष्यन्त**

   1. इस नदी की धार में ठंडी हवा आती तो है, नाव जर्जर ही सही, लहरों में टकराती तो है।
   2. खँडहर बचे हुए हैं, इमारत नही रही, अच्छा हुआ कि सर पे कोई छत नहीं रही।
   3. परिन्दे अब भी पर तोले हुए है, हवा में सनसनी घोले हुए हैं।
   4. एक कबूतर, चिट्ठी लेकर, पहली–पहली बार उड़ा, मौसम एक गुलेल लिये था पट से नीचे आन गिरा।
   5. एक गुड़िया की कई कठपुतलियों में जान है, आज शायर, ये तमाशा देखकर हैरान है।
   6. होने लगी है जिस्म में जुंबिश तो देखिए, परकटे परिन्दे की कोशिश तो देखिए।
   7. अब किसी को भी नजर आती नहीं कोई दरार, घर की हर दीवार पर चिपके हैं इतने इश्तहार।
   8. हो गई है पीर पर्वत–सी पिघलनी चाहिए, इस हिमालय से कोई गंगा निकलनी चाहिए।
   9. बाढ़ की संभावनाएँ सामने हैं, और नदियों के किनारे घर बने हैं।

खण्ड – 'ब'

आधुनिक हिन्दी कविता की प्रमुख प्रवृतियाँ – राष्ट्रीय काव्यधारा, छायावाद, प्रगतिवाद, प्रयोगवाद और नई कविता

अंक विभाजन

खण्ड – 'अ'

कुल चार व्याख्याएं (एक कवि से केवल एक व्याख्या) (आन्तरिक विकल्प देय)   4 x 10 = 40 अंक

कुल तीन निबन्धात्मक प्रश्न – एक कवि से संबंधित एक ही प्रश्न (आन्तरिक विकल्प देय)

                                                           3 x 15 = 45 अंक

खण्ड – ब में से एक प्रश्न आंतरिक विकल्प देय   15 अंक

द्वितीय प्रश्न पत्र – निबन्ध तथा काव्यशास्त्र

पूर्णांक 100   न्यूनतम उत्तीर्णांक 36

क – निबंध

1. बालकृष्ण भट्ट	–	साहित्य जन समूह के हृदय का विकास है
2. रामचन्द्र शुक्ल	–	क्रोध
3. हजारी प्रसाद द्विवेदी	–	भारतीय साहित्य की प्राणशक्ति
4. नंद दुलारे वाजपेयी	–	छायावाद
5. रामविलास शर्मा	–	संत साहित्य की ऐतिहासिक भूमिका
6. विद्यानिवास मिश्र	–	मेरे राम का मुकुट भीग रहा है
7. कुबेर नाथ राय	–	मधुर–मधुर रसराज
8. हरिशंकर परसाई	–	पहिला सफेद बाल
9. निर्मल वर्मा	–	साहित्य में प्रासंगिकता का प्रश्न

ख – काव्य शास्त्र

1. अलंकार	–	परिभाषा तथा महत्व
		अनुप्रास, यमक, श्लेष, उपमा, रूपक, उत्प्रेक्षा, विभावना, अपन्हुति
2. छंद	–	परिभाषा तथा महत्व
		दोहा, चौपाई, छप्पय, रोला, मालिनी, शिखरणी, द्रुतविलम्बित, हरिगीतिका
3. रस	–	परिभाषा, रस के अवयव और रस सिद्धान्त
4. गुण	–	माधुर्य, ओज, प्रसाद
5. शब्द शक्ति	–	अभिधा, लक्षणा, व्यंजना

अंक विभाजन

कुल चार व्याख्याएं – एक निबंध से एक व्याख्या (आन्तरिक विकल्प देय)   10 x 4 = 40 अंक

दो आलोचनात्मक प्रश्न – निबंध से संबंधित (आन्तरिक विकल्प देय)   15 x 2 = 30 अंक

खण्ड 'स' में से एक प्रश्न रस और अलंकार से संबंधित (आन्तरिक विकल्प देय)   15 अंक

खण्ड 'स' में रो छंद, गुण, शब्द शक्ति पर टिप्पणी (आन्तरिक विकल्प देय)   7½ x 2   15 अंक

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११

3 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 b... Uzeda Begum

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JAIPUR

Persian –

Prose & Poetry

Paper-I

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

Book Prescribed

1. Nisab-e-Jadeed Farsi (Hissa Nasar Wa Nazam)

   Published by Jayyed Press Delhi.

   Porse Section

   The following prose section is prescribed

   Intekhab Mrzaban Namah – Marzaban Rustam Bin Sharveen

   I.   Dastan Barzeegar Bamar

   II.   Dastan Ahoo-wa-Moosh-wa-Uqab

   III.   Dastan Mard Tamaba-Nokhara Nokhara

   IV.   Dastan Ahangar-b-Mard Musafir

   V.   Dastan Bazargan-Ba-Dost Dana

   VI.   Dastan Dahqan-Ba-Pisr-e-Khud

2. Nisab-e-Farsi (Brae_B-A-Sal-e-Suwwum) Published by Aligarh Muslim University, Aligarh.

   Chahar Maqala Nizami Uruzi

   Poetry Section

   The following poetry sections are prescribed :

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

   I.   Shahnama Firdausi Bazgashtan-Ba-Jang-e-Asfandyar

   Gazliyat

   Farrukhi Yazdi

   Fidae-Sauz-e-Dil

   Pazman

   Maham-Shakista-Khatir

   Manzoomat

   Parveen Etasami

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

2. Nisab-e-Jadeed Farsi (Hissa Nasra Wa Nazam)

13

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Published by Jayyed Press, Delhi.

1. Rubaiyat-e-Umarkhayyam (21 to 30)

    Qasida Urfi

    E-Mtaa Dard Dar Bazaar (Page 115. to 116)

Division of Marks:

Unit-1(A) Short Answer type Question 10 out of 15 all the full syllabus based.   10

      (B) Translation of two prose passages out of three into Urdu/Hindi/English   20

Unit-2   Translation of two Poetry passages out of three into Urdu/Hindi/English   20

Unit-3   General Question on Prose Writer with internal Choice   15

Unit-4   General Question on Poetry Writer internal Choice   15

Unit-5   Summary of Prescribed lessons.   20

Total 100

Book Recommended

1. Tareekh-e-Adabiyate Iran By Raza Zada Shafaq (Urdu Translation)

2. Sanadeed-e-Ajam By Mehdi Hasan Nasri

3. Tareekh-e-Adab-e-Farsi By Shareef Husain Qasami

4. Persian Language Teaching Elementary Course Vol. I to IV

5. Farhang-e-Asifiya

Note: Unit-1 Both A and B Questions are compulsory.

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University of Rajasthan
JAIPUR

14

Persian

History of Persian Literature and Translation
Paper-II

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

Book Prescribed

1. Tarikh-e-Adabiyat-Iran By Raza Zada Sahfaq (Urdu Edition/Translated)

2. Bar Rasi Adibayat Imruz-e-Iran By Dr. Mohd. Istallami Published By Mussar-e-Inteshrat-e-Amir Kabir, Tehran 2536

3. Shair-ul-Ajmj Part I,II,III,IV,V By Shibli Nomani

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

Division of Marks:

Question Based Upon the following Topics:

Unit-1 (A) Short Answer type Question 10 out of 15 all the full syllabus based.   10

     (B) Elkhani Period: 20

     (i) Tarikh-e-Jahankusha   (ii) Jamu-ul- Tawarikh

     (iii) Tarikh-e-Wassaf   (v) Tarikh-e-Gazidah

Unit-2 Critical Study of following writers & Poets of the 14th Century   20

     (i)   Rumi   (ii) Sadi   (iii) Khwaja Nasiruddin tusi

Unit-3 The Temurid Period   20

     (i)Hafiz & his Contemporaries (ii)Jami and His Works

     (iii) Critical Study of Obed Zakanias Satarist

     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 Habeob Quuni

Unit-4 Short Note on the following Important Histories, Memories &   20
     Biographic of Qachar Periods.

     (i)   Nasik-ut-Tawareekh   (ii) Riyazul Arfeen wa- Majmaussafa

     (ii) Tarikh Muntazim Nasri   (iv) Nama-e-Danishwaran

Unilt-5 Translation of Five Urdu Sentences into Persian   10

                                                 Total 100

Note Unit-1 Both A and B Questions are compulsar

15

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बी.ए. 5 संस्कृत तृतीय वर्ष (2019)

सामान्य निर्देश –

1. प्रत्येक परीक्षा में दो–दो प्रश्नपत्र होंगे।

2. प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घण्टे का होगा।

3. परीक्षा का माध्यम हिन्दी/अंग्रेजी होगा , परन्तु प्रश्नपत्र केवल हिन्दी में बनाया जायेगा। परीक्षार्थी को छूट होगी कि वह 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 केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।

5. निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जावेंगे।

6. प्रत्येक प्रश्नपत्र में 10 प्रतिशत अंक संस्कृत भाषा में उत्तर के लिये निर्धारित हैं।

7. प्रत्येक प्रश्नपत्र में दो भाग होंगे, जिसमें प्रथम 'अ' भाग लघूत्तरात्मक प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णांक 30 होगा।

प्रथम प्रश्न–पत्र : भारतीय दर्शन एवं व्याकरण

1. श्रीमद्भगवद्गीता – (2,3,4 अध्याय) ... 30 अंक
2. तर्कसंग्रह ... 30 अंक
3. तिङन्त–लघुसिद्धान्तकौमुदी के आधार पर 'भू', एवं एध् धातु की लट् लोट्, लृट्, लङ् एवं विधिलिङ् इन पांच लकारों में एवं समस्त गणों की प्रथम धातुओं की लट् लकार में रूपसिद्धि एवं सूत्रों की सोदाहरण व्याख्या ... 40 अंक

कुल योग ... 100 अंक

अंक– विभाजन

क्र.सं.	पाठ्यवस्तु	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंको का योग
1.	श्रीमद्भगवद्गीता	लघूत्तरात्मक 02	04	02	26	04+26=30
2.	तर्कसंग्रह	लघूत्तरात्मक 03	06	02	24	06+24=30
3.	व्याकरण तिङन्त	लघूत्तरात्मक 10	20	02	20	20+20=40
कुल योग		15	30	06	70	100

16

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प्रश्नपत्र निर्माता के लिए निर्देश

1.	श्रीमद्भगवद् गीता	'अ' भाग	2 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	04 अंक
		'ब' भाग	4 श्लोकों में से 2 की सप्रसंग व्याख्या (एक व्याख्या संस्कृत में) अपेक्षित है।	20 अंक
			2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	06 अंक
2	तर्कसंग्रह	'अ' भाग	3 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	06 अंक
		'ब' भाग	4 में से 2 की व्याख्या (एक व्याख्या संस्कृत में) अपेक्षित है।	18 अंक
			2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	06 अंक
3	व्याकरण तिङन्त	'अ' भाग	10 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	20 अंक
		'ब' भाग	10 सूत्र पूछकर किन्हीं 5 की सोदाहरण व्याख्या अपेक्षित है। प्रति व्याख्या 2 अंक निर्धारित।	10 अंक
			10 शब्द सिद्धि पूछकर किन्हीं 5 शब्दों की सूत्र निर्देशपूर्वक सिद्धि। प्रत्येक सिद्धि हेतु 2 अंक	10 अंक
	कुल अंक योग			100 अंक

सहायक पुस्तकें
(क)   तर्कसंग्रह – अथल्यं एवं कोडास, पूना
       तर्कसंग्रह – चौखम्बा प्रकाशन, वाराणसी
       तर्कसंग्रह– डॉ. रामसिंह चौहान, अलंकार प्रकाशन, जयपुर
(ख)   गीता
       भगवद्गीता– गीताप्रेस, गोरखपुर
       भगवद्गीता, विनोद पुस्तक मंदिर, आगरा
       गीता रहस्य–तिलक
       भगवद्गीता 2,3,4 अध्याय, डॉ. शिवसागर त्रिपाठी
       श्रीमद्भगवद्गीता (2,3,4 अध्याय)– व्या. डॉ. राजेन्द्रप्रसाद शर्मा, जगदीश संस्कृत पुस्तकालय, जयपुर
(ग)   व्याकरण
       1. लघुसिद्धान्त कौमुदी–तिङन्त प्रकरण–डॉ. पुष्कर दत्त शर्मा, अजमेरा बुक कम्पनी, जयपुर
       2. लघुसिद्धान्त कौमुदी–पं. श्री हरेकान्त मिश्र, भारतीय विद्या प्रकाशन, दिल्ली

3. पाणिनीय व्याकरण का अनुशीलन आर एस भट्टाचार्य, इंडोलोजिकल बुक हाउस, बनारस
4. लघुसिद्धान्त कौमुदी—हिन्दी व्याख्या, डॉ. अर्कनाथ चौधरी, आयुर्वेद हिन्दी संस्कृत पुस्तक भंडार, जयपुर
5. लघुसिद्धान्त कौमुदी— भीमसेन शास्त्री
6. लघुसिद्धान्त कौमुदी— महेशसिंह कुशवाह, चौखम्बा संस्कृत प्रतिष्ठान दिल्ली।
7. लघुसिद्धान्तकौमुदी—तिङन्त प्रकरण, डॉ.सुभाष वेदालंकार, अलंकार प्रकाशन, जयपुर
8. तर्कसंग्रह— व्याख्याकार डॉ. दयानन्द भार्गव, मोतीलाल बनारसीदास, नई दिल्ली

द्वितीय प्रश्नपत्र— काव्य, धर्मशास्त्र, एवं निबन्ध

समय : 3घण्टे   अंक—100

द्वितीय प्रश्न पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णांक 30 अंकों का होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 अंकों का होगा, जिसके लिये शेष दो घण्टे की अवधि निर्धारित है।

पाठ्यक्रम

1. रघुवंशम् – छठा सर्ग (इंदुमति स्वयंवर)   20 अंक
2. महाभारत (व्यास) –उद्योग पर्व, विदुरनीति (34–35 अध्याय)   20 अंक
3. रामायण (वाल्मीकि) बालकाण्ड, प्रथम सर्ग   20 अंक
4. इन्द्रविजय, नामधेय प्रकरण, पं. मधुसूदन ओझा   20 अंक
5. निबंधरचना –संस्कृत में   20 अंक
   कुल योग   100अंक

अंक– विभाजन

क्र. सं.	नाम पुस्तक	लघूत्तरात्मक प्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंको का योग
1.	रघुवंशम् छठा सर्ग (इन्दुमति स्वयंवर)	लघूत्तरात्मक 04	08	02	12	8+12=20
2.	महाभारत (विदुरनीति)	लघूत्तरात्मक 04	08	02	12	8+12=20
3.	रामायण (बालकाण्ड–प्रथमसर्ग)	लघूत्तरात्मक 04	08	02	12	8+12=20
4.	इन्द्रविजय	लघूत्तरात्मक 03	06	02	14	6+14=20
5.	निबन्ध रचना संस्कृत में			01	20	20
कुल योग		15	30	09	70	100

प्रश्नपत्र निर्माता के लिए निर्देश

18

1.	रघुवंश छठा सर्ग (इन्दुमति स्वयंवर)	'अ' भाग	4 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	08 अंक
		'ब' भाग	2 श्लोकों में से 1 की सप्रसंग व्याख्या	06 अंक
			2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	06 अंक
2	महाभारत विदुर नीति	'अ' भाग	4 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	08 अंक
		'ब' भाग	2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या	06 अंक
			2 श्लोक पूछकर उनमें से किसी 1 का उत्तर अपेक्षित।	06 अंक
3	रामायण	'अ' भाग	4 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	08 अंक
		'ब' भाग	2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या	06 अंक
			2 प्रश्न पूछकर उनमें से किसी 1 का उत्तर अपेक्षित।	06 अंक
4	इन्द्रविजय	'अ' भाग	03 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	06 अंक
		'ब' भाग	2 श्लोक पूछकर उनमें से किसी 1 की सप्रसंग व्याख्या	06 अंक
			2 प्रश्न पूछकर उनमें से किसी 1 का उत्तर अपेक्षित।	08 अंक
5	निबन्ध	'ब' भाग	4 विषय देकर उनमें से किसी 1 विषय पर संस्कृत में निबन्ध लेखन	20
	कुल अंक योग			100 अंक

सहायक पुस्तकें–

रघुवंशम् –

1. 1.रघुवंश –कालिदास, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।

महाभारत –विदुर नीति

1 विदुरनीति– डॉ. कृष्णकान्त शुक्ल, साहित्य भंडार, मेरठ।
2. विदुरनीति– श्री रेवतीरमण शास्त्री, यूनिक टेडर्स जयपुर।

रामायण

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

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इन्द्रविजय

1. इन्द्रविजय—व्याख्याकार पं. रामप्रपन्न शर्मा, प्रकाशन जगदीश संस्कृत पुस्तकालय, जयपुर
2. इन्द्रविजय—डॉ. श्रीकृष्ण ओझा, राजप्रकाशन मंदिर, चौड़ा रास्ता, जयपुर

निबन्ध रचना

1. प्रबन्ध रत्नाकर, श्री आर सी शुक्ल
2. प्रस्ताव तरंगिनी—श्रीवासुदेव 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 विद्याभवन, वाराणसी
9. निबन्ध शतकम्, कपिलदेव द्विवेदी, चौखम्बा विद्याभवन, वाराणसी
10. निबंधमंजरी, डॉ. राममूर्ति आचार्य आगरा प्रकाशन, दिल्ली
11. निबन्ध आदर्श, म.म. श्री गिरिधर शर्मा चतुर्वेदी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
12. संस्कृत निबन्ध रचना, डॉ. श्रीकृष्ण ओझा, राज प्रकाशन मंदिर, जयपुर
13. संस्कृत निबंध पारिजात, डॉ. सुभाष वेदालंकार, अलंकार प्रकाशन
14. संस्कृत निबन्ध, डॉ. नन्दकिशोर गौतम एवं श्रीकृष्ण बिहारी भारतीय

अथवा

द्वितीय प्रश्नपत्र 'ब' – भारतीय ज्योतिष, तिथि निर्णय एवं पंचांग परिचय

समय : 3घण्टे   अंक–100

इस प्रश्न पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णांक 30 अंकों का होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 अंकों का होगा, जिसके लिये शेष दो घण्टे की अवधि निर्धारित है। 10 अंक संस्कृत भाषा के माध्यम से उत्तर देने के लिए निश्चित है।

पाठ्यक्रम

I– भारतीय ज्योतिष के प्रारम्भिक सिद्धान्तों का परिज्ञान	70 अंक
(क) शीघ्रबोध (काशीनाथ दैवज्ञ) – 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   30 अंक
छः भेद, वर्ष के पांच भेद, अयन, ऋतु, मास, पक्ष, तिथि, क्षय, वृद्धि संक्रान्ति निर्णय, दानादि, अधिकमास–क्षयमास में वर्ज्यावर्ज्य, मलमास, कर्म के भेद एवं निर्णय, प्रदोषव्रत, 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, ग्रहप्रवेश आदि जानने की रीति का ज्ञान अपेक्षित है।

20.

अंक–विभाजन

क्र.सं.	नाम पुस्तक	लघूत्तरात्मक प्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	कुल अंक
1	(क) शीघ्रबोध	05 (लघु.)	10	02	21	10+20 =30
	(ख) फलित प्रबोधिनी	04 (लघु.)	08	02	28	08+32 =40
2	तिथि–निर्णय व पंचांग परिचय	06 (लघु.)	12	02	21	12+18 =30
		15	30	06	70	100

प्रश्नपत्र निर्माता के लिए निर्देश–

1.	भारतीय ज्योतिष (क) शीघ्रबोध	5 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक।	10 अंक
		4 निबन्धात्मक प्रश्न पूछकर 2 प्रश्नों के उत्तर अभीष्ट – प्रति प्रश्न 10 अंक निर्धारित	20 अंक
	(ख) फलित ज्योतिष	4 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक।	08 अंक
		4 निबन्धात्मक प्रश्न पूछकर 2 प्रश्नों के उत्तर अभीष्ट – प्रति प्रश्न 16 अंक निर्धारित	32 अंक
2.	तिथि–निर्णय व पंचांग परिचय	6 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक।	12 अंक
		4 निबन्धात्मक प्रश्न पूछकर 2 प्रश्न का उत्तर अभीष्ट। (पंचाँग परिचय संस्कृत में)	18 अंक

सहायक पुस्तकें –

1. शीघ्रबोध – 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 पंचागों की सहायता भी ग्राह्य है, जिसमें जयपुर पंचांग पं. दामोदर शर्मा कृत ग्राह्य है।

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B.A. Part III - 2019
6. PHILOSOPHY

Scheme:

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

General Instructions:

(1) The candidates shall opt for any two of the five electives. There shall be two question papers: Paper I and Paper II, corresponding to the electives opted by the candidate.

(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 twenty compulsory short questions, with 2 marks each. The word limit for these questions shall be upto 50 words. These questions will cover the entire units and there will be no unit wise division of the questions asked in this part.

(4) Part II of the question paper will be of 60 marks and students will required to write detailed answer in the answer sheet only. If syllabus (course contents) of a paper is divided into two units i.e. Unit A and Unit B, then in this part of the question paper six questions will be asked in total: three questions from each unit. Student will be asked to attempt three questions in total and at least one question from each unit. Each question will be of 20 marks. If syllabus (course contents) of a paper is divided into three Units i.e. Unit A, B & C then in the Part II of the question paper, which consist of Essay type questions, six questions will be asked in total: two questions from each Unit. Students will be required to attempt three questions in total and one question from each Unit. The ideal word limit for these questions is 500-600 words.

Paper I: Philosophy of Religion

Unit A:
1. Philosophy of religion: nature and concern, the concept of Dharma.
2. Religion without God, atheism, theism, deism, pantheism
3. Reason, faith and revelation.
4. Religion and morality.

Unit B:
1. Attributes of God: omniscience, omnipotence, omnipresence, eternal, goodness
2. Problem of evil.
3. Proofs for the existence of God: Indian and Western

Unit C:
1. Prayer and bhakti.
2. Immortality of the soul, transmigration and the doctrine of karma.
3. Religious experience: Mysticism.
4. Religious pluralism and the problem of absolute truth

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Suggested Readings:

John Hick	:	*Philosophy of Religion* (Hindi Translation available).
John Hick(Ed)	:	*Classical and Contemporary Readings in Philosophy of Religion*
Harendra Prasad Sinha		धर्मदर्शन की रूपरेखा, मोतीलाल बनारसीदास, नई दिल्ली
Yaqub Masih	:	*Religious Philosophy* (Hindi edition available)
H.N. Mishra	:	धर्मदर्शन का परिचय
V.P. Verma	:	धर्मदर्शन की मूल समस्यायें
L.N. Sharma	:	धर्मदर्शन

Paper II: Samkhya Yoga

Unit A:

1. Isvarkrsna's *Samkhya Karika* with Vaschaspati Mishra's commentary *Samkhya Tattva Kaumudi.*

Unit B:

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

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* Pradeep, Geeta press.Gorakhapur. U.P. (Hindi translation available) English Trans. by Prasad Ram Chaukhambha, Varan
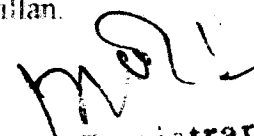
paper III: Plato

Prescribed Reading: **The Republic, Plato**

Suggested Readings:

Jowett B.	:	*The Republic.* Oxford.
Nettleship R.L.	:	*Lectures on the Republic* of Plato. McMillan.
Dr. Zakir Hussain	:	रियासत
R.S. Bhatnagar	:	नागरिकी (रिपब्लिक का हिन्दी अनुवाद)

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23

Paper IV: Logic (Indian)

Unit: A

1. Theories of inference in Nyaya: definition- constituents- process and types of anumana. Parramarsa, Vyapti, Types of Vyapti & Vyaptigrahopaya, Major Hetvabhasa.

Unit: B

1. Theories of inference in Buddhism: definition- constituents and types of anumana, Vyapti & types of Vyapti
2. Theories of inference in Jainism: definition- constituents and types of anumana, Vyapti.

Suggested Readings:

Annambhatta	:	*Tarkasangraha*
Dharmakirti	:	*Nyayabindu.*
Yasovijaya	:	*Jaina Tarka Bhasa.*
S.S. Barlingay	:	*A Modern Introduction to Indian Logic.*
B.K. Matilal	:	*Logic, Language and Reality.*
S.K. Maitra	:	*Fundamental Questions of Indian Metaphysics & Logic.*
F.Th. Stchebatsky	:	*Buddhist Logic, Vols. I & II.*
C. Bhattacharyya	:	*Elements of Indian Logic & Epistemology.*
S. Chatterjee	:	*Nyaya Theory of Knowledge.*
R. Prasad	:	*Buddhist Logic.*
K.N. Tiwari	:	*Bhartiya Tarkshastra*, MLBD, New Delhi

Paper V: Socio- Political Philosophy

Section-A

1. Nature of Socio- political Philosophy
2. Social and Political Ideals : Equality, Justice, Liberty.
3. Democracy : Conceptual forms, Major theories and challenges
4. Political Ideologies : Fascism, Capitalism, Marxism and Socialism

Section-B

5. Humanism ; Secularism ; Multiculturalism.
6. Scientific Temper and Development.
7. Feminism : Major streams, Woman Empowerment
8. Caste Discrimination: Gandhi and Ambedkar

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Suggested Readings:

R.N. Kaul	: A Hand book of Social Philospohy
O.P. Gauba	: Social and Political Philosophy (Pub. Mayur Paperbacks)
O.P. Gauba	: An Introduction Social Political Philosophy
हृदय नारायण मिश्र	: समाज दर्शन सैद्धांतिक एवं समस्यात्मक विवेचन
शिवमानु सिंह	: समाज दर्शन का सर्वेक्षण 24

शिवमानु सिंह : समाज दर्शन का सर्वेक्षण
के.के. पाठक : समाज एवं राजनीतिक दर्शन (राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर)
डॉ. बी एन. सिंह : समाज दर्शन एवं राजनीतिक दर्शन (आशा प्रकाशन, इलाहाबाद)
तथा प्रो. उदय शंकर

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25.

S 3 HISTORY

The scheme of examination will be as follows:

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. The first compulsory question will be of 20 marks, comprising of 10 very short answer type questions of two marks each. The answer to each question should not exceed 20 words.

The second compulsory question will be of 20 marks. It will comprise of 10 short answer type questions of 04 marks each, the candidate will be required to answer any 05 questions. The answer to each question should not exceed 50 words.

The second part of the question paper shall be divided into three sections comprising of 06 essay type questions, containing 02 questions from each section, of 20 marks each. Candidate will be required to answer 03 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 अंको का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे । 20 अंकों के प्रथम अनिवार्य प्रश्न में, दो–दो अंक के 10 अनिवार्य अतिलघुउत्तरात्मक प्रश्न होंगे । प्रत्येक उत्तर की शब्द सीमा 20 शब्द ।

20 अंकों के द्वितीय अनिवार्य प्रश्न में, चार–चार अंकों के 10 लघुउत्तरात्मक प्रश्न होंगे जिनमें से 05 प्रश्न करने होंगे । प्रत्येक उत्तर की शब्द सीमा 50 शब्द ।

प्रश्नपत्र के द्वितीय भाग में, पाठ्यक्रम के तीन खण्डो में से, प्रत्येक खण्ड से दो–दो प्रश्नों का चयन करते हुए, कुल 06 निबन्धात्मक प्रश्न होंगे । प्रत्येक प्रश्न 20 अंकों का होगा । परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 03 प्रश्न हल करने होंगे । प्रश्नपत्र का यह भाग 60 अंकों का होगा ;

26

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.

27,

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)

खम्ड – 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।

खम्ड – 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।

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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

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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 जटिलताएं। 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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University of Rajasthan
JAIPUR

31

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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Uni...rsity of Rajasthan
JR

32

8 POLITICAL SCIENCE

B.A. Part - III Examination, 2019

प्रश्न—पत्रों की रूपरेखा

राजनीति विज्ञान के दो प्रश्न—पत्र होंगे। प्रत्येक प्रश्न—पत्र 3 घण्टे की अवधि का होगा तथा प्रश्न—पत्र के अधिकतम 100 अंक होंगे।

प्रत्येक प्रश्न—पत्र के तीन खण्ड होंगे। प्रथम खण्ड 20 अंको का होगा। इस खण्ड में दो अंकों के 10 अनिवार्य प्रश्न होंगे। जिनमें से प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20—25 शब्दों में देना होगा।

द्वितीय खण्ड 20 अंकों का होगा। इस खण्ड में 05 अंकों के 04 अनिवार्य प्रश्न होंगे, जिनमें से प्रत्येक का उत्तर 150 शब्दों में अपेक्षित होगा।

तृतीय खण्ड 60 अंकों का होगा। इस खण्ड में तीन भाग होंगे। जिनमें प्रत्येक में 20 अंको के दो निबंधात्मक प्रश्न होंगे। परीक्षार्थी से प्रत्येक खण्ड में से एक प्रश्न का उत्तर अपेक्षित होगा। प्रत्येक खण्ड से एक प्रश्न का चयन करते हुए कुल 03 प्रश्नों का उत्तर अपेक्षित होगा।

Scheme of Question Papers

There shall be two papers of political Science. Each question paper shall be of three hours duration and of 100 marks.

Each Question Paper shall consist of three Parts. Part I shall carry 20 marks and shall consist of 10 compulsory questions of 2 marks each to be answered in 20-25 words each.

Part II shall carry 20 marks and shall consist of 4 compulsory questions of 5 marks each to be answered in 150 words each.

Part III of the question paper shall carry 60 marks. This part shall be divided into 3 sections each comprising of 2 essay-type questions of 20 marks each. Candidates will be required to attempt one question from each section (3 questions in all, one from each section)

33

प्रथम प्रश्न—पत्रः प्रतिनिधि पश्चिमी राजनीतिक विचारक

खण्ड 'क'

प्लेटो, अरस्तू व एक्वीनास।

खण्ड 'ख'

मेकियावली, हॉब्स, लॉक व रूसो।

खण्ड 'ग'

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

अनुशसित पुस्तके :—

जॉर्ज एच.सेबाइन : ए हिस्ट्री ऑफ पोलिटिकल थ्योरी (हिन्दी व अंग्रेजी)

सी एल वेपर : पोलिटिकल थॉट

जे.पी.सूद : वेस्टर्न पोलिटिकल थॉट

फॉस्टर : मास्टर्स ऑफ पोलिटिकल थॉट

डनिंग : हिस्ट्री ऑफ पोलिटिकल थॉट

पी.डी शर्मा : राजनीतिक विचारक

पुखराज जैन : कतिपय प्रमुख राजनीतिक विचारक

डनिंग : ए हिस्ट्री ऑफ पोलिटिकल थ्योरीज

एफ. डब्लू कोकर : रीसेन्ट पोलिटिकल थॉट

Paper I : Representative Western Political Thinkers

Section-A

Plato, Aristotle and Aquinas.

Section-B

Machiavelli, Hobbes, Locke, and Rousseau.

Section-C

Bentham, J.S. Mill, Karl Marx and Harold J. Laski.

Books recommended :

A. Hacker : Political Theory

G.H. Sabine : History of Political Theory

C.L. 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

35.

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University of Rajasthan
JAIPUR

द्वितीय प्रश्न- पत्रः द्वितीय विश्वयुद्धोत्तर अन्तर्राष्ट्रीय संबंध एवं भारतीय विदेश नीति

खण्ड 'क'

द्वितीय विश्वयुद्धोत्तर अन्तर्राष्ट्रीय प्रवृत्तियाँ, शीत युद्ध, एवं इसके विभिन्न चरण, संयुक्त राष्ट्र संघः संगठन, कार्यप्रणाली एवं भूमिका, संयुक्त राज्य अमेरिका व तृतीय विश्व, साम्यवादी खेमे का विघटन, यूरोप का पुनर्गठन।

खण्ड 'ख'

भारत की विदेश नीतिः निर्धारक तत्त्व, भारत एवं संयुक्त राष्ट्र, गुट निरपेक्ष आंदोलन एवं वर्तमान में प्रासंगिकता, पूर्व की और देखो नीति, भारत के पड़ौसी देश एवं प्रमुख शक्तियों (अमेरिका, रूस, चीन) के साथ सम्बन्ध, समसामयिक बहुध्रुवीय विश्व में भारत।

खण्ड 'ग'

अन्तर्राष्ट्रीय राजनीति में सम-सामयिक प्रवृत्तियाँ व मुद्दे, पश्चिमी एशिया की राजनीति, नवीन विश्व अर्थव्यवस्था, क्षेत्रीय सहयोग संगठनः आसियान (दक्षिण–पूर्वी एशियाई राष्ट्र संगठन) एवं सार्क (दक्षिण एशियाई क्षेत्रीय सहयोग संगठन)ब्रिक्स, इब्सा, संयुक्त राष्ट्र में सुधार की मांग एवं संयुक्त राष्ट्र में भारत की स्थायी सदस्यता, समसामयिक वैश्विक मुद्देः गानव अधिकार, पर्यावरणीय मुद्दे, लैंगिक न्याय, आंतकवाद, परमाणु प्रसार।

अनुशंसित पुस्तके :

ब्लेक एण्ड थॉमसन : फारेन पॉलिसी

जॉरडन कॉनेल स्मिथ : पेन्टर्स परसेप्शन ऑव दी डवलपिंग सिंस 1982।

डैनियन 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 अग्रेंजी)

पी.के.चड्डा : अन्तर्राष्ट्रीय सम्बन्ध (आदर्श प्रकाशम, चौडा रास्ता जयपुर)

बाबूलाल फाडिया : अन्तर्राष्ट्रीय सम्बन्ध

पुखराज जैन : अन्तर्राष्ट्रीय सम्बन्ध

दीनानाथ वर्मा : अन्तर्राष्ट्रीय सम्बन्ध

एस.एम धर : इंटरनेशनल पॉलिटिक्स सिंस 1949

हरिदत्त वेदालंकार : इंटरनेशनल पॉलिटिक्स

Dy. Registrar (Acad.)
of Rajasthan

36

Section-A

Post War International Development: Cold War & its different Phases, U.N.O : Organization, Working and role, U.S.A and Third World, Collapse of Communist Block, Reorganisation of Europe.

Section-B

Indian Foreign Policy : Determinants of Foreign Policy, India and UN, NAM and its relevance in Contemporary World, India's Look East Policy, India's relations with neighbourhood & with major powers (U.S.A., Russia and China), India in Contemporary multi-polar world.

Section-C

Contemporary Trends and Issues in International Politics, Politics of West Asia, New International Economic Order, Associations of Regional Co-operation in Asia: ASEAN, SAARC, BRICS, IBSA, Demand for reform in UN & India for permanent seat of UN, Contemporary Global Issues : Human Rights, Environmental Issues, Gender Justice, Terrorism, Nuclear Proliferation.

Books recommended:

Black & Thomas Foreign Policy

Jorden Connel Smith : Patterns of the post World War 1982

S.M. Dhar: International Problem & World Politics since 1949

Denil S. Papp : Soviet Perception of the Developing world in 1980

Haridutt Vedleanker : International Politics

Dr. Mathuralal Sharma : International Relation (since 1945)

Dinanath Verma : Antar Rashtriya Sambandha

Mahendra Kumar : Theoretical Aspects of International Politics

P.K Chaddha : Antar Rashtriya Sambandh (Adarsh Prakashan Choura Rasta, Jaipur)

Palmer and Perkins : International Relation

Hans Morgenthau : Politics among Nation

Babulal Fadiya : Antar Rashtriya Sambandh

Pukhraj Jain : Antar Rashtriya Sambandh

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University of R.

37

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.

38

Dy. Registrar
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University of Rajasthan
JAIPUR

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.

39 ।

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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

40

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.

41

Dy. Registrar
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University of Rajastha
JAIPUR

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, Ghaseel 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.

42.

(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.

Dv. Registrar (Acad.)
University of Rajasthan
JAIPUR

43

- Public Administration

Scheme :	Max. Marks	Mini. Marks	Time
Two Papers			
Paper-I	80	36	3 Hours
Paper-II	80	36	3 Hours

Note : Each paper shall consist of two parts.

Part-I would contain 10 compulsory short answer questions of 4 marks each to be answered in 50 words.   Total Marks : 40

Part-II divided in three sections each section contains 2 descriptive type question of 20 marks each. The candidates are required to attempt three questions selecting one question from each section.   Total Marks : 60

Paper - I   : 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   anization of

44.

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 एस. फडिया : विश्व के प्रमुख संविधान।
11 सुरेन्द्र कटारिया : तुलनात्मक प्रशासनिक व्यवस्थाएँ

Dy Registrar (Acad.)
University of Rajasthan
JAIPUR

45

प्रश्न-पत्र I   : 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

46.

Dy. Registrar(Acad.)
University of Rajasthan
JAIPUR

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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University of Rajasthan
JAIPUR

47.

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.

48

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University of Rajasthan
JAIPUR

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, शक्तियां तथा भूमिका। महानगरों का स्थानीय प्रशासन : नगर निगम तथा उनकी स्वायतता 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 गवर्नमेंट इन इण्डिया
2. एस. आर. माहेश्वरी : भारत में स्थानीय प्रशासन
3. एम. वी. माथुर : पंचायती राज इन राजस्थान
4. आर. एल. खन्ना : म्यूनिसिपल गवर्नमेंट एण्ड एडमिनिस्ट्रेशन इन इण्डिया
5. एस. के. भोगले : लोकल गवर्नमेंट इन इण्डिया
6. डॉ. एन. 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

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

B.A. Part – III
DRAWING & PAINTING

SCHEME :

Theory Paper I	Duration	M.M.	Min. Pass Marks
Post Independence Artists of India	3 hrs.	60	21
Paper II-Practical Paper I			
Study from Life	5 hrs.	60	22
Paper III-Practical Paper II			
Pictorial Composition	5 hrs.	60	22
Submission of Practical Works		20	07
Total		_200_	_72_

Paper I : Post Independence Artists of India

Note : The paper consist of three parts :-
Part –I: Carries 10 marks and consist of 10 short type questions of 1 mark each.
Part –II: Carries 20 marks and consist of 4 compulsory questions of 5 marks each to be answered in 100 words each.
Part –III: Carries 30 marks divided into three sections 3 questions of 10 marks each with internal choice. Candidates are required to attempt three questions selecting one question from each section. Each answer should be limited in 700-800 words.

Section – A

M.F. Hussian, S.H. Raza, F.N. Souza, K.H. Ara, N.S. Bendre, K.K. Hebbar, Tayab Mehta, Satish Gujral, K.G. Subramanyam, J. Swaminathan, Ram Kumar, Vikas Bhattacharya, Vivan Sundram

Section – B

Indian Sculptors – D.P. Roy Choudhary, Shankhoo Choudhary, Ram Kinkar Baij, Dhanraj Bhagat, Somnath Hore, Mrinalini Mukherjee, Himmat Shah.

Section – C

Rajasthani Painters and Sculptors - Ram Gopal Vijayvargiya, Kripal Singh Shekhawat, P.N. Choyal, Ram Jaiswal, Usha Rani Hooja, Bhoor Singh Shekhawat.

Books Recommended:
1. Art of India (Feeling and Form) - Ajit Mukarjee
2. आधुनिक चित्रकला की पृष्ठभूमि – जी.के. अग्रवाल
3. भारतीय चित्रकला के आधार स्तम्भ – प्रेमचन्द गोस्वामी
4. भारत की समकालीन कला – प्राणनाथ मागो, नेशनल बुक ट्रस्ट इण्डिया, नई दिल्ली, 2006
5. आधुनिक कला कोश – विमोद भारद्वाज, वाणी प्रकाशन, नई दिल्ली, 2006
6. आधुनिक चित्रकला का इतिहास – आर.वी. सांखलकर, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।
7. समकालीन कला – अशोक
8. कला विलास – आर.ए. अग्रवाल, डी.एस.ए. बुक्स इंटरनेशनल, मेरठ, 2015

Paper- II (Practical Paper –I) : Study from Life

Medium – Pencil/Charcoal/Soft Pencil Size ½ Imperial
Duration : 5 hrs. Max. Marks : 60
Study from life (full figure) showing broad masses of light and shade, clearly bringing out the modelling of the figure and drapery.
Books Recommended :

1. Anatomy and Drawing by Victor Perard, Publisher J.V. Navlakhi, Bombay.
2. Human figure by Vanderpol, Publisher J.V. Navlakhi, Bombay.

50

Note : Life Model will sit in front of the candidate for five hours with a rest of 10 minutes when required by the model. Option to arrange a female model should also be given if the Centre Superintendent can arrange one or Life model male could wear a turban or cap. Strictness about the quality of model should be avoided. Emphasis will be given on correct drawing.

Paper- III (Practical Paper –II) : Pictorial Composition

Pictorial Composition in any style with use of human figures, should be rendered with emphasis on stylization, colour scheme and textures etc.

Medium – Acrylic, Tempera, Oil, Pastel etc.   Size ½ Imperial
Duration : 5 hrs.   Max. Marks : 60

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

Submission of Practical work :   Max. Marks : 20
                                                            Min. Pass Marks : 7

(a) Five plates from Life.
(b) Five Plates form Composition.
(c) A Sketch book of not less than 50 sketches

Instruction for submission :

Note : Submission work will be submitted to the Head of the Department of Drawing and 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 examination and submission. Submission work will be retained till the declaration of the result and returned to the Candidate from the Department thereafter. If no claim is made within two months of the declaration of the result, the submission will be destroyed.

Note:
(a) Candidate should pass in theory as well as in practical paper separately.
(b) There should be minimum 12 hours for the regular study including two hours for sketching.
(c) Minimum three demonstrations should be arranged by the subject expert during the session for each practical paper.
(d) The Department should also arrange for an Educational tour to Ancient Art centres like Ajanta, Ellora, Elephanta, Khujraho, Mahabalipuram etc. once a year.
(e) Practical examination will be conducted at the centres and the practical work will be examined like the practical paper of Music or Home Science which means that an external examiner will examine the answer books in consultation with and internal examiner who is the subject teacher of the Department of Drawing and Painting. University may centralize the practical examinations at few well equipped Departments to hold examination economically.

Dy. Registrar
(Academic)
University of Rajasthan
JAIPUR

51.

12 SOCIOLOGY

Scheme:

Min. Pass Marks 72		*Max. Marks* **200**
Paper-I	*3 hrs. duration*	*Marks* **100**
Paper-II	*3 hrs. duration*	*Marks* **100**

नोट:– समाजशास्त्र के दो प्रश्न–पत्र होंगे। प्रत्येक प्रश्न–पत्र 3 घण्टी में विभाजित होगा। प्रत्येक प्रश्न–पत्र के दो भाग होंगे। प्रथम भाग 40 अको का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अको के एक प्रश्न में, एक–एक अंक के 20 लघु प्रश्न होंगे तथा प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। दूसरे अनिवार्य प्रश्न के अंतर्गत दो–दो अको के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 40 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 घण्टो 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, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। अर्थात 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 निबन्धात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियो को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अको का होगा। प्रश्न पत्र का यह भाग 60 अको का होगा।

Note: There shall be two papers in all, 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. There shall be 2 questions in Part-I. first question will consist of 20 short questions of 1 mark each, carrying a word limit of 20 words. The second question will consist of 10 questions of 2 marks each, carrying a word limit of 40 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.

Part-II, 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 the question paper shall be of 60 marks.

52.

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

53

Dy. Registrar(Acad.)
University of Rajasthan
JPUR

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.

54

Dy. Registrar
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JAIPUR

SYLLABUS FOR THE THIRD YEAR B.A. IN FRENCH

Scheme of examination: two written papers of 75 mark each & one viva-voce of 50 marks.

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

PAPER - I TRANSLATION & GRAMMAR 3hours 75 marks

a) Translate one passage from French into English (300 words) 25
b) Translate one passage from English into French (300 words) 25
c) Grammar 25

The following grammar topics will be covered in class (The students will also have to study portions of grammar covered in 1ˢᵗ and 2ⁿᵈ year B.A in French)

- Le plus que parfait, le récit au passé simple, le conditionnel passé, le subjonctif passé.
- La forme passive.
- L'expression de la certitude, de la possibilité, de l'impossibilité.
- Le futur antérieur.
- Les pronoms relatifs simples et composés.

PAPER - II A STUDY OF FRENCH LITERATURE 3hours 75 marks

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 three questions on the prescribed 25
   Periods from the History of Literature

Teaching Material/Books:
1. **ECHO III**
2. **Novel - Le Petit Prince - Saint Exupery**
3. **Poems:**
   a. Le Lac – Lamartine
   b. Demain dès l'aube – Victor Hugo
   c. La mort et le bûcheron – La Fontaine

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55

4

d. La mort du loup- Vigny

e. L'invitation au voyage-Charles Baudelaire

4. **History of French Literatrure**: Major Literary Movements of 19th and 20th centuries Movements to be discussed: Romanticism, Realism, Surrealism, Symbolism.

ference Books:

L'histoire de la France – CLE International

Les grandes étapes de la littérature Française – Dr. Charles Cadoux

La littérature Française – CLE International

La Poésie – CLE International

Le théâtre – CLE International

Le roman- CLE International

PAPER - III   VIVA-VOCE

14. GERMAN

SYLLABUS FOR THE THIRD YEAR B.A. IN GERMAN

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 Periods from the History of Literature — 25

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

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

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58 ·

Examination Scheme

- Each Theory paper will contain nine questions having three questions from each unit. Candidates are required to attempt five questions in all selecting at least one question from each unit. Each question will be of 10 marks.

BA Home Science Part III

Paper	Subjects	Duration of exam	Maximum marks	Minimum marks	No. of hrs/wk
Theory Paper V	Mother and Child Care	3hrs	50	18	3
Practical V	Mother and Child Care	3hrs	50	18	2
Theory Paper VI	Extension education and Communication	3hrs	50	18	3
Practical VI	Extension education and Communication*	3hrs	50	18	2
		Total	200	72	10

*In BA Part III, a "Vocational Oriented Practical" under Practical VI- Extension education and communication has been planned in the form of training, internship, demonstration to provide skills to students and enable them to take up a money earning vocation. One practical from each subject has been planned and given as an option to the institution/home science department. The practical which is opted can be based on the available infrastructure and local facilities.

The student has to opt for the practical selected by her institution.

Vocation Oriented Practical*
(in the form of training, internship, demonstration. One practical to be selected by the institution based on the available infrastructure and facilities)
One of the following six practicals to be selected by the institution.

59.

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- Family Event management
- Nutrition Education activities
- Food Preservation
- Knowledge & Skills based Training for Childhood Educators
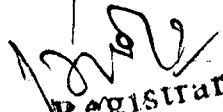- Dyeing & Printing
- Extension Activity Management

*

B.A. PART-III	
MOTHER AND CHILD CARE (THEORY PAPER V)	
Maximum Marks: 50 **Minimum marks: 18** **Teaching workload: 3 hrs /week** **Total teaching workload: 72/year**	
Objectives : 1. To understand importance of reproductive cycle 2. To understand the basic care of mother during pregnancy and lactation 3. To understand the problems /complications during pregnancy and their management. 4. To understand the basic care of newborns and infants. 5. To understand the Danger Sign and Common ailments of newborns and their management.	
Contents	**Hours**
Unit – I **Health of the Mother**	

1. Menstruation & Fertility:
 	
     • Normal Menstrual Cycle
     • Process of Reproduction
	6

2. Pregnancy:
     • Sign & Symptoms
     • Use of Pregnancy Kits
     • Signs & Symptoms
     • Common Ailments
     • Abortions –causes & Care of Mother
	8

3. Health & nutritional care during Pregnancy & lactation:
     • Antenatal Care:
        i. Registration of Pregnancy
	10

60.

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ii.   Sign & Symptoms of Pregnancy
    iii. Use of Pregnancy Kits
    iv. Common ailments during pregnancy & their management: morning sickness, heartburn, indigestion, constipation, piles, leg cramps, sleeplessness, frequency of micturition, edema, varicose veins
    v.   Antenatal Checkups & their importance
    vi. Danger signs during pregnancy & management
• Intra natal care:
   • Birth preparedness for safe delivery
   • Danger signs during delivery & management & when to refer
• Post natal care:
   i. Complications during post partum period & their management
   ii. Post natal Checkups		

Unit II

Care of New Born

4. New born: • Nutritional care of New Born (referring to Integrated Management of Neonatal Childhood illness). • Identification of Danger Sign and when to refer • Common ailments of newborns and their management-diarrhea, constipation, flatulence, vomiting, colic, malnutrition, napkin rash, umbilical infection, acute respiratory infections		16

Unit III

5. Immunization & growth monitoring of infant and young child		5

6. Nutritional care of infant & young child (referring to Infant and Young child nutrition guidelines)
    • Infancy
      i. Importance of breastfeeding , early intitaion , colostrums
      ii. Exclusive breastfeeding   techniques of breastfeeding
    • Complementary feeding:
      i. Importance of complementary feeding
      ii. Time of introduction
      iii. Technique of complementary feeding
      iv. Points to be considered –FODU (Frequency, Adequacy, Density and Utilization.
      v. Homemade recipes, premixes, from family pot
		15

7. Use of Mother & Child protection card 8. Mother and Child Health Nutrition Programme • Janani Shishu Suraksha Yojana		6

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• Reproductive and Child Health		
9. Family Planning		6
• Advantages & importance		
• Methods of family planning		
• Abortions-causes & care of mother		

References:

1. Sudha Narayanan & Anupama Narayana (2000). Mothercraft Research Publications. 89 Tripolia Bazar, Jaipur.ISBN 8185789-88-6
2. Park JE & Park K (1995). Essentials of Community health Nursing. M/s Banarsidas Bhanot Publishers. 1167 Prem Nagar, Jabalpur. 482001. 2nd Edition. ISBN 81-90011871
3. Dr. Subhash C. Arya (2007). Infant & Child care for the Indian Mother. ISBN 8125914412
4. Shanti Ghosh (2004). Nutrition and Child care: A practical guide. Jaypee Publishers. Second Edition. ISBN: 9788180612077
5. First Aid to the injured. Authorised Manual of St. John Ambulance. 1 cross road, New Delhi 110001
6. Module 1-8 developed for Asha Sahyoginis.

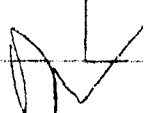## MOTHER AND CHILD CARE (PRACTICAL V)

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Content	Hours
1. Use of Pregnancy kits	2
• Safe Days	
• Menstrual Hygiene	
• Hygienic use & disposal of Sanitary pads	
2. Breastfeeding – Techniques & Posture	1
3. Preparation of Complementary foods	
• Premixes	2
• Guidelines for consistency for quality, preparing frequency, density & variety premixes.	
• Homemade recipes	
• Adaptation from family pot C	
4. Use of Mother & Child Protection Card	
• Registration & personal details	
• Antenatal care	
• Danger signs of pregnancy	1
• Diet during pregnancy	?
• Planning of low cost nutritious recipe for pregnant mother	
• Internal care	1
• Post antenatal care	

62

• Checkups planning of low cost nutrition's recipes for lactating mother	1
• Danger signs of new born	1
• New born care	1
• Immunization	
• Growth monitoring – Demonstration of weighting & measurement of child	1
• Guidelines for child care	1
5. Management of Diarrhea	2
• Skin pinch test for identifying dehydration	
• Feeding schedule	
• Preparation of oral rehydration solution	2
6. Management of fever	
• Use of thermometer	
• When to refer	
• How to bring down fever (home based care)	
7. First aid & home nursing	
• First Aid during	3
i. Burns & Scalds	
ii. Cuts & wounds (Tetanus Toxoid vaccine)	
iii. Sprains & fractures	
iv. Unconsciousness	
v. Electric shock	
vi. Animal bite – dog, monkey, snake (importance of vaccine)	
vii. Poisons	
viii. Heat stroke	
• Care in infectious disease	3
i. Isolation	
ii. Prevention of infection through fomites	
iii. Ventilation & Disinfection	
iv. Baby weighing scale, ARIT inner & thermometer, first aid box.	
v. Materials to be provided – from nearest Aanganwadi /Subcentre	

Examination scheme

Major problem – 20 marks

Planning and preparation of low cost recipe for any one

- Pregnant/ Lactating mother
- Complementary foods/ premixes for Infants
- Pre - schoolers

Minor Problem – 15 marks

First aid and home nursing

Plotting of weight on growth chart and its interpretation

63 .

Viva voce 5 marks
Internal -10 marks

EXTENSION EDUCATION AND COMMUNICATION (THEORY PAPER VI)

Maximum Marks: 50
Minimum marks: 18
Teaching workload: 3 hrs /week
Total teaching workload: 72/year

Objectives:
1. To make the students understand the concept of extension and its related aspects.
2. To understand the support of national and international agencies in extension.
3. To sensitize the students and help them to understand the process of communication and its importance in extension teaching.

Contents

Unit -I	Hours
Extension Education	
1. Concept and Meaning- Non Formal Education, Formal Education, Informal Education, Extension Education	3
2. History of Extension Education in India	
3. Objectives and principles of Extension Education	3
4. Role and qualities of extension worker	4
5. Extension teaching methods- Personal , Group and mass approach	2
6. Basic knowledge of flagship development programmes of the Government of India in reference to objectives, target groups, activities, organizational structures and financial support	5 5

UNIT-II	
7. Communication	
• Concept, meaning and process of communication	4
• Elements and models of communication- Aristotle, Leagens, Roger's and shoemakers	5
• Functions and barriers of communications	4
8. Audio visual aids	
• Meaning and use of audio visual aids	2
• Cone of experience	1
9. Classification of audio visual aids- Projected and non projected(visual, audio and audio visual aids)	5
10. Media	
• Basic concepts of traditional and modern methods of communication	3
• Relative advantages and limitations of traditional and modern methods of communication	2

UNIT III

	Hours
1). Support structure and functions – • Panchayati Raj – Concept, objectives, and structural organisation. Role of Panchayati Raj for Women empowerment	8
• Village organisations – village school, Yuva Mandal, Mahila Mandal, Cooperatives and KVK's	8
• Role of UNDP, UNICEF, NIRD, NIPCCD, CSWB	8

References:-

1. Dahama OP (1988). Education and communication for development. Oxford and 1 BH Publishing Co. Pvt. Ltd. New Delhi.
2. Supe SV (1997). An Introduction to Extension Education. Oxford BH publishing Co. Pvt. Ltd. New-Delhi.
3. Jain R (1993). Mass Media and Rural Development, Vol. III. Manak Publication Pvt. Ltd. New Delhi.
4. Pankajam G (2000). Extension – Third Dimension of Education. Gyan Publishing House. New-Delhi.
5. हरपालानी बी.डी. 1998 : गृह विज्ञान में प्रसार शिक्षा , स्टार पब्लिकेशन , आगरा
6. शॉ , सुगीता पुष्प और शॉ जामस शीला 2011 : प्रसार शिक्षा , श्री विनोद पुस्तक मन्दिर , आगरा–2

EXTENSION EDUCATION AND COMMUNICATION (PRACTICAL VI)
(Based on the institution's choice)

Vocation Oriented Practical* (in the form of training, internship, demonstration)
One practical to be selected by the institution based on the available infrastructure and facilities.
*One of the following six practicals to be selected by the institution
- Family Event management
- Nutrition Education activities
- Food Preservation
- Knowledge & Skills based Training for Childhood Educators
- Dyeing & Printing
- Extension Activity Management

The student has to opt for the practical selected by her institution.

FAMILY EVENT MANAGEMENT

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Objectives
1. To develop a practical approach for planning on event.
2. To understand various aspects of event management

Contents :	Hours

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Step of Event Management	
1. Making a paper plan	1
• Guest List	
• Making / Drafting / Finalizing/Invitation Card	1
• Infrastructure	
i.Tents	
ii.Furniture and Furnishing for areas :	
o Reception,	
o DJs / Music,	
o Games,	
o Food serving (Based on numbers of persons and types of events)	
i.Decoration (Theme etc.)	
ii.Planning of games	
iii.Transportation & communication	
iv.DJ's / Music	
v.Planning and Management of food	
o Welcome drink	
o Welcome Snacks	
o Main Course	
o Deserts	
o Mouth Fresheners	
vi.Return Gifts	3
2. Budget under different heads (Market survey can be done)	2
• Food	3
• Decoration	1
• Invitation	1
• Gifts	1
• Transportation and communication	1
• Games	2
• Infrastructure tents, furniture, furnishing, etc.	1
• DJ's / Music	1
• Time schedule for major activities	
• Implementation of various activities	
i. Finding out a leader and making groups	1
ii. Work distribution among group members	1
3. Controlling the event activities	1
4. Feedback /evaluation	
5. Variation in events in a family	2
• Religious events	
• Entertainment and recreational events	
• Picnics, Other parties and events	
• College events : Fresher's day, Farewell, Annual function	
6. Class rooms presentation	1

Note: Students will participate in events of institution.

Examination scheme

66

1.	Major – 25 marks.
	Making a party plan for any specific party.
2.	Minor – 15 marks.
	Planning budget for the party in the specific amount
3.	Internal – 10 marks

NUTRITION EDUCATION ACTIVITIES

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Objectives:-
1. To gain insight on the concept and importance of Nutrition Education.
2. To develop skills in organizing a Nutrition Education program.

Contents	Hours
Activities:	
(A) Classroom/Lab activities :	2
1. Introduction to Nutrition Education: Definition, importance related topics, approaches (Individual, group mass), methods, and Teaching aids.	
2. Identification and finalization of nearby village/community/women's group/ Auganwari center/college premises for Nutrition Education.	1
3. Divide the students in different groups – 5 students in each group. Assign one topic to each group.	1
4. Every group will prepare a Nutrition Education program plan based on the topic given.	2
5. Guidelines for Preparation of teaching aids. – Posters, Charts, Flash Cards, Demonstrations, Street Play, Puppetry.	3
- Every group will prepare a minimum of 3 teaching aids. (Posters / chart/ demonstration/flash cards/role play etc.)	
6. Prepare an activity calendar: venue, time, place, number of participants and implementation of each education programme.	2
7. Village Health & Nutrition day at the nearest Auganwari centre- Previsit for Planning, organising –VHND, Evaluation.	1
(B) Implementation and evaluation of education program	
The students will implement every activity as per the activity calendar.	10
(Division of classes will be based on number of groups formulated)	
(C) File work	
• Discuss the various programs implemented.	

Every student should prepare a file which would include: Report of program plan & implementation and a way of teaching aids prepared. **Suggested Topics:** • Nutritional care during pregnancy. • Nutritional care during lactation. • Advantages of Breast feeding. • Importance and timely introduction of complementary feeding. • Formulation and preparation of fresh home-made and premix for an infant 6 months to 12 months. • Formulation and preparation of fresh home-made and premix for 1 year to 3 years child. • Formulation and preparation of energy – protein rich snack for 3-6 years old child • Growth Monitoring – taking body weight and plotting on growth chart (weight – for – age) • Nutrition counselling based on the results of growth chart. • Preparation of Vitamin 'A'/ Beta- carotene rich food for a young child. • Preparation of iron rich food for an adolescent girl. • Promotion of consumption of iodized salt. • Immunization of safe water and house – hold methods of water purification. • Hand – washing promotion.	2

Examination scheme:

1. **Major problem:** 25 marks
   Plan any nutrition education activity for community on any one of the given topics.
2. **Minor problem** 15 marks
   Preparation of any one teaching aid.
3. **Internal:** 10 marks

FOOD PRESERVATION

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Objectives:-
1. To enable the students to develop skills in food preservation.
2. To encourage the students to use these skills at small scale level.

Content	Hours
1. Theory of Preservation : Need, importance, principles of food spoilage, principle of food preservation, various methods of food preservation	2
2. Development of skills in preparation of :	

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• Dried fruits and vegetables
   i.   Sun drying (Curry leaves, mint, methi, coriander, cauliflower, amla ,
             kair-sangri, guar-fali, amchur, onion, peas, kachri, red chillis)
	1

• Papad & Magodi
   • Juices
       i.   Aloe Vera
	2

ii. Squashes	2

iii.   Lemon
       iv.   Orange
       v. Pineapple	

• Syrups i. Rose	2

ii.   Khas
       iii.   Chandan
       iv.   Jellies
       v. Karonda	

• Jams
       i.   Apple
       ii.   Mixed fruit
	3

iii.   Preserve (Murabba)
       iv.   Carrot
       v.   Amla
       vi.   Ketchup sauce and chutney
       vii.   Tomato Ketchup
       viii.   Garlic Chutney
       ix.   Tomato Chutney
       x. Imli Chutney	

• Canning and bottling
       i.   Green pea
       ii.   Apple
	3

iii.   Cauliflower
       iv.   Frozen vegetables
           *   Peas
           *   Carrots
           *   Cauliflower
           * Mango Pulp	

• Pastes & Purees i. Onion	2

ii.   Garlic
       iii.   Ginger
       iv. Tomato puree	

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• Pickles		2
i.	Mango	
ii.	Mix Vegetables	
iii.	Kair	
iv.	Lasoda	
v.	Chilli	
vi.	Lemon	5
• Requirements to start a small scale unit		
i.	Equipments	
ii.	Finance	
	* Loan options	
	* Budgeting – calculation of selling price of the product	
	* Book keeping	

Examination scheme:

1.	**Major problem:**	25 marks
	Planning and preparation of any one preserved food.	
2.	**Minor problems:**	15 marks
	Calculation of selling price of a given product.	
3.	**Internal:**	10 marks

KNOWLEDGE AND SKILLS BASED TRAINING FOR CHILDHOOD EDUCATORS

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Background –
Early childhood years (birth to 8 years) are crucial for the development of children which is greatly influenced by early stimulation (birth to 3 years) and preschool education (3-8 years). This will cater to the needs of working parents/mothers who seek for safe custody of their children in crèches, preschool and day care centres. Early childhood educator plays a major role in shaping the development and laying strong foundation of young children. This practical will be useful for students to learn the skills and knowledge required to be an effective early childhood educator.
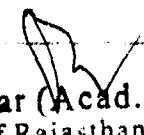
Objectives –

1. To develop communication skills in organising various developmental appropriate activities for young children.

2. To gain a clear insight of child's developmental milestone & needs.

3. To develop insight about administration, management and supervision of early childhood

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Education Centres i.e. Crèches, Preschools and day care centres.	
Content	**Hours**
Pre-Requisites: Identifying nearby crèches, preschool and day care centres.	(12 weeks)
• Preparation of activity calendar. • Developing skills and characteristics of an ideal preschool teacher using different teaching strategies – task analysis scaffolding, storytelling, do it signals, dramatization demo field trips songs environmental cues. • Participation with children in crèches, preschool and day care centres	
Course Content : • Teaching strategies for early childhood care and education	2
• Characteristics and qualifications of an early childhood educator.	2
• Developing communication skills in dealing with young children.	2
• Working in crèches, preschool and day care centres to develop administrative, managerial and supervisory skills in students.	2
• Administration, management and supervision of crèches, preschool and day care centres.	2
• Planning and implementing developmentally appropriate activities in crèches, preschool and day care centres.	2

Examination scheme:

1. **Major Problem : 25 marks**
   Planning and preparation of ECE activities in preschools and day care centres.
   Evaluation of crèches, preschool and day care centres.
2. **Minor Problem : 15 marks**
   Preparation of teaching aids – story books, songs poems, models, toys, aids etc.
3. **Internal : 10 marks**

DYEING AND PRINTING

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Contents	Hours
Make a scrap book with following 1. Different types of motifs	4

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• Floral -- Natural and stylized		
• Human - Natural and stylized		
• Animal - Natural and stylized		
• Abstract		
• Geometrical		8
2. Make samples of different methods of printing and dying		
• Tie & Dye techniques (10 samples with different techniques)		
i. Marbling		
ii. Pleating & binding		
iii. Knotting		
iv. Twisting and coiling		
v. Bandhej		
vi. Stitching (Shibori)		
vii. Pegging, etc		
Make any one Product – Table cloth with 6 napkins/Chunni / Saree/cushion & bolster set		
• Printing –		8
i. Block printing (samples)		
o Butti block to create all over effect		
o Borders & corners		
Make any one Product – Table Mats/Table Napkins/Runners		
ii Screen printing (Samples)		4
Make any one Product – Table mat / 'T' shirt /Cushion cover		

Examination scheme :

1. **Major Problem -25 Marks**

   Make a design for a product by combining any two techniques e.g. tie and dye, block and screen.

2. **Minor -15 Marks**

   Make a sample of tie and dye using two colors and two techniques

3. **Internal Marks -10 Marks**

EXTENSION ACTIVITY MANAGEMENT

Maximum marks: 50
Minimum marks: 18
Teaching Workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Objectives:
1. To impart knowledge regarding process of extension activity management.
2. To develop the skills in organizing extension activity at the community level.

		Practicals
1.	Theoretical understanding of process of programme/extension activity management.	4
2.	Organise following extension activities from the area of home science :	
	• Workshop/seminar	
	• Fair	

• Exhibition
• Rally
could be taken up in rural/urban/slum community in a group on the basis of following steps-
    • Identification of the activity - nature, duration, number of participants etc.
    • Plan of the activity – selection of venue, resource management (men, material/infrastructure, and money), and delegation of responsibility.
    • Scheduling of the activity
    • Publicity of the activity
    • Organising the activity
    • Overall supervision
    • Report writing
		2
		4
		
		2
		2
		3
		3
		4

Examination scheme :

Total Marks: 50 marks

Major Problem: 20 Marks

Plan strategy to publicise the chosen extension activity and prepare any one aid out of them.

Minor Problem: 15 Marks

Prepare financial budget for the planned activity or prepare scheduling of activities according to allotted time.

Viva: 5 Marks

Internal: 10 Marks

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73

B.A./B.Sc. Part – III – 2019

Teaching : 3 Hours per Week per Theory Paper.
2 Hours per Week for Practical Paper.

Examination:

	Min.Pass Marks	Duration	Max. Marks
Scheme:	Science – 54		150
	Arts – 72		200
			Max.Marks
Paper – I	Algebra	3 hrs.	40 (Science)
			53 (Arts)
Paper – II	Complex Analysis	3 hrs.	40 (Science)
			53 (Arts)
Paper – III	Mechanics	3 hrs.	40 (Science)
			54 (Arts)
Practical	Computer Programming in C	2 hrs.	30 (Science)
			40 (Arts)

Note:

1. 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.

2. 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.

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

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

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Paper -I : Algebra
Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   **Max. Marks: 40 (Science)**
                                                          53(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 fields. 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.

Reference Books:
1. N.S.Gopalkrishnan, University Algebra, New Age International, 1986.
2. Qazi Zameeruddin and Surjeet Singh, Modern Algebra, Vikas Publishing,2006
3. G.C.Sharma, Modern Algebra, Shivlal Agrawal & Co., Agra,1998.
4. S. Kumaresan, Linear Algebra- A Geometric Approach, Prentice Hall of India, 1999.
5. Joseph A. Gallian, Contemporary Abstract Algebra (4th Edition), Narosa Publishing House, New Delhi, 1999.(IX Edition 2010).
6. S Lang, Introduction to Linear Algebra (2nd edition), Springer, 2005.
7. Gilbert Strang, Linear Algebra and its Applications, Thomson, 2007.
8. Kenneth Hoffman, Ray Alden Kunze, Linear Algebra 2nd Ed., Prentice-Hall Of India Pvt. Limited, 1971.
9. I.N.Herstein, Topics in Algebra, Wiley-Eastern Ltd., New Delhi
Malcolm Birkoff, Abstract Algebra, Cambridge University Press.

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75

Paper – II: Complex Analysis
Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   Max. Marks: 40 (Science)
                                                             53 (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 projection. Complex valued function – Limits, Continuity and Differentiability. Analytic functions, Cauchy-Riemann equations (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' 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: $w(z) = \dfrac{1}{2}\left(z + \dfrac{1}{z}\right), z^2, e^z, \sin z, \cos z,$ and $\log z$.
Evaluation of a real definite integral by contour integration.
Analytic continuation. Power series method of analytic continuation.

Reference Books:
1. J.C.Chaturvedi and S.S.Seth, Functions of Complex variables, Student's Friends, Agra 1971.
2. H.S.Kasana, Complex Variables: Theory and Applications, Prentice-Hall, Delhi.
3. S. Ponnuswamy, Introduction to Complex Analysis, Narosa Pub., New Delhi
4. R.Murray Spiegel, Theory and Problems of Complex Variables, Schaum Outline Series.
5. James Ward Brown and Ruel V. Churchill, Complex Variables and Applications (Eighth Edition), McGraw – Hill International Edition, 2009.
6. Joseph Bak and Donald J. Newman, Complex analysis (2nd Edition), Undergraduate Texts in Mathematics, Springer-Verlag New York, Inc., New York, 1997.

Dy. Registrar

76

Paper – III: Mechanics
Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   Max. Marks: 40 (Science)
                                                             54 (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: 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. Projectile.

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: Equilibrium of coplanar force, moments and friction.

Unit-5: Virtual work and Catenary.

Reference Books:
1. S.L. Loney - An Elementary Treatise on the Dynamics of a Particle and of Rigid Bodies, Kalyani Publishers, New Delhi.
2. A.S.Ramsey, Dynamics, CBS Publishing & Distributors, New Delhi.
3. A.S.Ramsey, Statics, CBS Publishing & Distributors, New Delhi.
4. M.Ray, A Text Book of Dynamics, S. Chand & Co., 2003.
5. I.H. Shames and G. KrishnaMohan Rao, Engineering Mechanics: Statics and Dynamics (4th Edition), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education), Delhi, 2009.
6. J.L. Synge & B.A. Griffith - Principles of Mechanics, Tata McGraw-Hill, 1959.
7. R.C. Hibbeler and Ashok Gupta, Engineering Mechanics: Statics and Dynamics (11th Edition), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education), Delhi.

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Practical: Computer Programming in C
Teaching: 2 Hours per Week per Batch

			Duration: 2 Hours	
Examination:				
Scheme			**Science**	**Arts**
Max.Marks			30	40
Min.Pass Marks			10	13
Distribution of Marks:				
Two Practicals of				
10 Marks each	=	20 Marks	(13 Marks each)	26
Practical Record	=	05 Marks		07
Viva-voce	=	05 Marks		07
Total Marks	=	30 Marks		40

The paper will contain TWO practical. The candidates are required to attempt both practical.

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

Programming in C and execution for the result of
- (i). Solution of linear algebraic equations by Gauss elimination method
- (ii) Solution of algebraic and transcendental equations by Bisection, False position and Newton – Raphson Methods
- (iii) Solution of ordinary differential equations by Euler's and Runga-Kutta 4th order method
- (iv) 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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78

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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ECONOMICS

Note: There will be two papers of Economics. Each paper shall consist of three parts. Part A shall contain question No 1 consisting of very short type X (Ten) questions. The candidate is required to answer each question in 20 words. Part B shall contain question No 2 consisting of V (five) questions. The candidate is required to answer each question in 100 words. Part C shall contain three essay type questions (one from each section) with internal choice.

A candidate will be required to attempt five questions in all. All questions of Part A and Part B are compulsory while rest 3 questions are to be attempted from parts C selecting one question from each section. All questions carry equal marks.

Paper 1 : Introduction To International Trade, Development And Public Economics

Section-A

Features of International Trade. Gains from Trade. Trade Theories: Adam Smith, Ricardo. Harberler, 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, International Monetary Fund, WTO: Scope and Impact.

Section-B

Economic Growth and Development: Factors affecting Economic Growth, Measures of Development, Lewis Theory of Unlimited Supply of Labor. Balanced Vs Unbalanced Growth Model. Harrod Domer and Solow Models. Concept of Poverty and Inequality. International Bank for Reconstruction and Development, Asian Development Bank.

80

Section-C

Nature and Scope of Public Finance. Role of Government in the Economy. Public Goods and Private Goods. Theory of Maximum Social Advantage, Optimal Budgeting. Public Revenue: Canons of Taxation. Impact, Incidence and Shifting of Taxation. Direct and Indirect Taxation, GST, Public Expenditure: Canons of Public Expenditure, Classification and Effects on Production and Distribution. Public Debt: Meaning Objectives and Burden Theories. 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. Ganguly, Public Fiancé, The World Press Pvt. Ltd.
3. H.L Bhatia, Public Finance, Vikas Publishing House Pvt. Ltd.
4. John Callas and Philip Jones, Public Finance and Public Choice, Oxford University Press.
5. D. Salvatore : International Economics.
6. K.C Rana And K.N Verma: International Economics. (Hindi/English Edition)
7. B.O. Souderton& G. Reed: International Economics.
8. Michael P. Todaro, Economic Development, Macmillan.
9. A.P Thirlwal, Growth and Development, Macmillan.
10. Debraj Ray, Development Economics, Oxford University Press.
11. S.K Misraand V.K Puri, Economics of Development and Planning Theory Himalaya Publishing House.

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

81.

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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.

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82

OR

Paper –II (b): Environmental Economics

Section –A

Environmental Economics: An Introduction; Review of Microeconomics and Welfare Economics; The Theory of Externalities: Pareto Optimality and Market Failure in the Presence of Externalities; Property Rights and the Coase Theorem; Sustainable Development: Concepts and Measurement.

Section-B

Development and Environment: The Environment Kuznets Curve; Trade and Environment; Environmental Problems; Trans-boundary Environmental Problems: Global Warming and Climate Change; Methods of Environment Valuation: Hedonic Pricing, Contingent Valuation Method and Travel Cost Method.

Section-C

International Environmental Policy: Conventions and Treaties, UN Effort to Protect the Environment, Stockholm, Rio. Johansberg, Agenda 21, OECD Environmental Committee Report, Kyoto. Convention on Biodiversity, Paris Climatic Conventions; Environmental Governance in India; WTO and Environment.

Recommended Books:

1. Charles Kolstad, Intermediate Environmental Economics, Oxford University Press. 2nd edition, 2010.
2. Robert N. Stavins (ed.), Economics of the Environment: Selected Readings, W. W.Norton, 5th edition, 2005.
3. Roger Perman, Yue Ma, James McGilvray and Michael Common, Natural Resource and Environmental Economics, Pearson Education/Addison Wesley, 3rd edition, 2003.
4. Maureen L. Cropper and Wallace E. Oates, 1992, "Environmental Economics: A Survey", Journal of Economic Literature, Volume 30, pp. 675-740.

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83

OR

Paper-II (C): Economy of Rajasthan

Position of Rajasthan in Indian Economy: Population, Area, Agriculture, Industry and Infrastructure. Population: Size and Growth, District Wise Distribution of Rural and Urban Population, Demographic Features, Occupational Structureand Human Resource Development (Literacy, Health and Nutrition Indicators). Natural Resources Endowments: Land, Water, Livestock and Wild Life, Minerals and Mineral Policy of the State. State Domestic Product: trends and Composition. Agriculture:Land Reforms, Land Utilization, Cropping Pattern,Production and Productivity, Agriculture Finance, Marketing and Insurance, Importance of Livestock and Animal Husbandry, Dairy Development Programmes, Famines and Droughts in Rajasthan.

Section-B

Infrastructure in the State (Irrigation, Power, Road), Industrial Development of the State (Agriculturaland Mineral Based Industries, Small Scale and Cottage Industries, Export Based Units, Rajasthan Handicrafts). Growth Centresand Development of Industrial areas. Enterprises in Rajasthan. Role of Different Corporations in Industrial Development (RIICO, RFC & RAJSICO), Industrial Finance, Service Sector: Education. Health,Tourism Development in Rajasthan.

Section-C

Economic Planning and Development in Rajasthan. Constraints in The Economic Development of Rajasthan. Special Area Development Programmes inRajasthan.Woman Empowerment and Child Development. Problems ofPovertyandUnemployment in Rajasthan. PanchayatiRaj and Rural Development in Rajasthan. Budgetary Trends in Rajasthan. Centre State Financial Relations. Economic Reforms and Liberalization inRajastan.

Books Recommended:

1. Economic Review, Directorate Of Economics And Statistics, Department of Planning, Rajasthan Jaipur. (Hindi & English.)

2. Statistical Abstract Directorate Of Economics And Statistics, Department of Planning, Rajasthan Jaipur.

3. लक्ष्मीनारायण नाथूरामका, राजस्थान की अर्थव्यवस्था, रमेशबुकडिपो, जयपुर ।

84

Scheme of Examination

Faculty	Min. Pass Mrs	Max. Marks
Arts/Social Science	72	200
Science	54	150

Paper I	World Regional Geography	Arts 75
		Science 50
Paper II	Geography of India	Arts 75
		Science 50
Practical	18	Arts 50
		Science 50

Notes

1. Students are permitted to use the stencils, simple calculator and log tables wherever needed in both theory and practical examinations.

2. There will be a common paper for Arts and Science.

3. Q.1 will be compulsory and will cover the entire course of the paper.

   Q.No. 1 of 20% marks of the maximum marks be set in two parts.

   (a) Part (a) will have ten items for locating on a map (to be supplied by examination centre) carrying 10% marks of the maximum marks and candidates shall attempt any five items.

   (b) Part (b) will have 10 short answer questions carrying 10% marks of the maximum marks and candidates shall attempt any five items.

4. Remaining 9 questions carrying equal marks will be set with three questions from each section of the syllabus.

5. Candidate will attempt 5 questions in all including question No. 1 selecting at least one question from each section.

6. Practical examination will be conducted by the board of examiners.

7. The candidate will have to pass in theory and practical separately.

8. The non-collegiate candidates will have to attend a practical training camp of 48 hours at a college affiliated to the University of Rajasthan, Jaipur notified by the University from time to time in which Geography subject is taught on payment of fee fixed by the University. The candidates appearing at examination from any examination centre located in Jaipur City will attend the practical camp at the University Post Graduate Department on payment of fee fixed by the University. The candidate will procure Certificate of successful completion of practical training camp from the College/Department of Geography and produce the same at the time of practical examinations.

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Paper I: World Regional Geography

Section A

Asia: Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of the Continent In General. Regional Study of South-East and South-West Asia.

Europe: Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of the Continent In General ; Regional Study of British Isles, France and Germany.

Section B

North and South America: Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of the Continent In General; Regional Study of New England and Brazil.

Section C

Australia and New Zealand: Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of Australia and New Zealand In General.

Recommended Readings:

Cole, J., 1996. A Geography of the World's Major Regions, Routledge, London.

Deblij, H.J., 1994, Geography : Regions and Concepts, John Wiley, New York.

Dickenson, J.P. et al, 1996. The Geography of the Third World, Routledge, London.

Gourou, P., 1980. The Tropical World, Longman, London.

Jackson, R.H. and Hudman, L.E., 1991. World Regional Geography : Issues for Today, John Wiley, New York.

Kolb, A., 1977. East Asia - Geography of a Cultural Region, Mathuen, London.

Minshull, G.N., 1984 Western Europe, Hoddard & Stoughton, New York.

Patterson, J.H., 1985. Geography of Canada and the United States, Oxford University Press.

Songquiao, Z., 1994. Geography of China, John Wiley, New York.

Ward, P.W. and Miller, A. 1989. World Reginal Geography : A Question of Place, John Wiley, New York.

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Paper II: Geography of India

Section A

India in the context of South and Southeast Asia, geological structure, physiographic divisions, climate: seasons, mechanism of Indian monsoon, major climatic regions;

vegetation, major soils and regions; drainage system, water resources and irrigation projects; forests, mineral and power resources; their utilization policy and conservation strategies.

Section B

Agriculture:-typology, major crops, changing pattern of crops, agricultural growth during plan period and green revolution, livestock resources and their development, industrial growth and development; industrial localization with reference to iron and steel, cotton textile, cement and chemical industries, industrial regions; population growth, distribution, problems, policy implication, trends of urbanization and human resource development.

Section C

Regional disparities in economic development, planning and economic regions of India, multilevel planning, problems and prospects of linking of rivers, environmental issues in India, transport development: rail, road, air and waterways, foreign trade: challenges and prospects.

Recommended Readings:

Gautam, Alka, 2010: Geography of India, Rastogi Publications, Meerut.

Gopal Krishnan, R. 2001: Geography of India, Jawaher Publishers & Distributions, New Delhi, 2nd Edition

Khullar, D.R. 2006. India a comprehensive Geography; Kalyani Publishers, New Delhi

मामोरिया, सी. 1999: आधुनिक भारत का वृहत भूगोल। साहित्य भवन पब्लिकेशन्स, आगरा।

Sdasyuk, G. and Sengupta, 1968: Economic Regionalisation of India, Census of India Publication, New Delhi.

Singh, G. 1998: A Geography of India, Atma Ram & Sons, Delhi, Sixth Edition.

Singh, R.L. (ed.) 1971: India: A Regional Geography. NGSI, Varanasi.

Spate, O.H.K. and Learmonth, A.T.A. 1967: India and Pakistan, Land, People and Economy, Methuen and Co., London.

Tirtha, R 2000: Geography of India, Rawat Publications, Jaipur 2nd Edition (India)

तिवारी, आर.सी. 2012: भारत का भूगोल। प्रयाग पुस्तक भवन, इलाहाबाद।

Practicals

Scheme of Examination

Min. Pass Marks: 18

Max. Marks: 50

	Bifurcation of Marks	Time
Written test	24	3 hrs
Field survey and viva voce	10+04	2½ hrs
Record and viva voce	08+04	

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There shall be 6 questions in written paper selecting at least two questions from each section. Candidates are required to attempt 3 questions selecting 1 question from each section. All question carry equal marks.

SYLLABUS

Section A

Definition, classification, uses and characteristic of map projection: (graphical constructions).

Conical projections:
1. with the one standard parallel
2. with two standard parallels
3. Bonne's
4. Polyconic

Cylindrical projections:
1. Equidistant
2. Equal Area
3. Mercator's, Universal Transverse Mercator (UTM)
4. Gall's Stereographic

Section B

Zenithal Projections: (Only Polar Case)
1. Equidistant
2. Equal Area
3. Gnomonic
4. Stereographic
5. Orthographic

Three dimensional diagrams: sphere, block pile, cube.

Section C

Plane table surveying: Equipments, procedure, traversing – open and closed traverse, methods- radial and intersection, concept of resectioning.

Height calculation using Indian pattern clinometer.

Recommended Readings:

भान, पी.आर. 2005: प्रायोगिक भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।

Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition.

Rampal, K.K. 1993: Mapping and Conflation: Methods and Techniques Concept Publishing Company, New Delhi (Reprint 2009)

Robinson, A.H. et al. 2004: Elements of Cartography. John Wiley & Sons, Inc., New York (Sixth Edition)

Singh, L.R. 2006: Practical Geography. Prayag Pustak Publisher, Allahabad U.P.

Singh, R.L. and Singh, RPB 1991: Elements of Practical Geography. Kalyani Publishers, New Delhi (Reprint 2002)

शर्मा, जे.पी. 2010-11: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन, मेरठ।

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19. Statistics

SYLLABUS
FOR
B.Sc./B.A. Pt-III

Subject: Statistics
Marks Scheme

Paper	Nomenclature	Marks	
		Science	Arts
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 mark	70 marks
	Total	150	200

Note:

In each Theory Question Papers , 10 (ten) questions will be set having 2 having 2(Two) from each unit. Candidates have questions in all, taking not more than one from each unit.

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69

Subject: Statistics

Paper –I
(Sample Surveys)

(Also common with Subject- Applied Statistics)

Unit-I

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.

Unit-II

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.

Unit-III

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

Unit-IV

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.

Unit-V

Ratio Method of estimation (first approximation only): Meaning, bias of ratio estimators, variance, efficiency of ratio estimate with SRSWOR 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.

REFERENCES:

Des Raj(2000) : Sample Survey Theory. Narosa Publishing House.
Murthy, M.N.(1967): Sampling Theory and Methods. Statistical Publishing Society, Calcutta.
Singh, Daroga and Chaudhary. F.S.(1989): Theory and Analysis of Sample Surveys Designs. Wiley Eastern Ltd.
Sukhatme et al .(1984): Sampling Theory of Surveys with Applications. Indian Society of Agricultural Statistics.
Goon A.M, Gupta M.K. Das Gupta B (1986) , Fundamentals of Statistics, Vol II World Press Kolkata
Gupta S.C., Kapoor V.K · Fundamentals of Applied Statistics , Sultan Chand & Sons., New Delhi

ADDITIONAL REFERENCES:

Sampath S. (2000): Sampling Theory and Methods Narora Publishing House

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Subject: Statistics

Paper II

Design Of Experiments and Computational Techniques
(Also common with Subject- Applied Statistics)

Unit-I

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; Transformations, Crtitical Difference.

Unit-II

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 disadvatntages & usage. Efficiency of RBD over CRD.

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,.

Unit-IV

Computer Application and Data-Processing: Basics of Computer: Operations of a computer, Different units of a computer system like central processing unit, memory unit, arithmetic and logical unit, input unit, output unit etc. ,Hardware including different types of input, output and peripheral devices, Software, system and application software, number systems, Operating systems, packages and utilities, Low and High level languages, Compilcr, Assembler, Memory– RAM, ROM, unit of computer memory (bits, bytcs etc.).

Unit-V

Network – LAN, WAN, internet, intranet, basics of computer security, virus, antivirus, firewall, spyware, malware etc. Basics of Programming: Algorithm, Flowchart, Data, Information, Database, overview of different programming languages, frontend and backend of a project, variables, control structures, arrays and their usages, functions, modules, loops, conditional statements, exceptions, debugging and related concepts.

REFERENCES :

. Das M.N. & Giri N.C. (1986) .Design and Analysis of Experiments. Springer Verlag
'. Goon A.M, Gupta M.K. Das Gupta B (1986) ; Fundamentals of Statistics. Vol-II World Press Kolkata
. Gupta S.C., Kapoor V.K. ; Fundamentals of Applicd Statistics . Sultan Chand & Sons., New Delhi
. Nagpal D.P. :Computer Fundamentals . Wheeler Publishing. New Delhi
Norton Peter : Peter Norton's Introduction of Computers . Tata McGraw hills
Stallings: Operating Systems PHI
DDITIONAL REFERENCES
Kampthrone O. (1965) The Design and Analysis of Experiments , Wiley Eastern
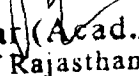Cochran W.G. and Cox G.M (1957) : Experimental Design . John Wilc. and sons

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Subject: Statistics

Paper III
Practical Paper

(Also Common with Subject- Applied Statistics)

1. To draw a 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, $E(S^2) \cdot S^2$ 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 o 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 Algorithms for Statistical Problems

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92

20 Applied Statistics

SYLLABUS
FOR
B.Sc./B.A. Pt-III

Subject: Applied Statistics

Marks Scheme

Paper	Nomenclature	Marks	
		Science	Arts
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 mark	70 marks
	Total	150	200

Note:

In each Theory Question Papers . 10 (ten) questions will be set having 2 having 2(Two) from each unit. Candidates have questions in all, taking not more than one from each unit

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93 ·

Subject: Applied Statistics
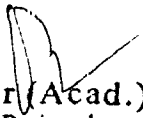
Paper -I
(Sample Surveys)

(Course Contents are same as that of Subject- Statistics)

Paper II
Design Of Experiments and Computational Techniques

(Course Contents are same as that of Subject- Statistics)

Paper III
Practical Paper

(Course Contents are same as that of Subject- Statistics)

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94

21. Psychology

Psychology   B.A./B.Sc. Pass Course Part-III —

SCHEME OF EXAMINATION :

Faculty	Max. Marks	Min. Passing Marks
Arts	200	72 (Th.54 Pr.18)
Science	150	54 (Th.36 Pr.18)

Paper	Nomenclature	Duration	Max. Marks Arts	Max. Marks Science
I	Positive Psychology	3 Hrs.	75	50
II	Psychological Testing andAssessment	3 Hrs.	75	50
III	Practicals	3 Hrs.	50	50

NOTE :-

1. There will be three papers in Psychology. It will be common for Arts and Science. Each paper will be of 3 hours and would contain the entire course content of the paper.

Section-A will contain 10 questions of 20 words each. Each question will be of 1.5 marks for Arts students and 1 mark for Science students. Thus, Part-A will be of 15 marks for Arts students and of 10 marks for Science students.

Section-B will contain 7 questions of 50 words each, out of which students are required to attempt 5 questions. Each question will be of 3 marks for Arts students and of 2 marks for Science students. Thus, Part-B will be of 15 marks for Arts student and of 10 marks for Science students.

Section-C will contain 3 long questions each with internal choice. Each question will be of 15 marks for Arts students and 10 marks for Science students. Thus, Part-C will be of 45 marks for Arts students and 30 marks for Science students.

95

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For clarification the distribution of marks is tabulated as below:-

ARTS			
Section	No. of Questions	Marks	Total
A	10	1.5	15
B	5 (Out of 7)	03	15
C	3 (with internal choice)	15	45
		Total Marks	75

SCIENCE			
Section	No. of Questions	Marks	Total
A	10	01	10
B	5 (Out of 7)	02	10
C	3 (with internal choice)	10	30
		Total Marks	50

2. Use of simple calculator will be allowed for statistical portions of all papers.

Paper-I:

Positive Psychology

Section A

1. Introduction : Definition, Goals and Assumptions of Positive Psychology; Relationship with other Branches of Psychology

2. Happiness: Meaning; Hedonic and Eudaemonist Viewpoint; Positive and Negative Affect; Theoretical Viewpoints; Determinants and Sources; Authentic Happiness; Enhancement of Happiness and Wellbeing.

3. Positive Cognitive States and Processes : Self-Efficacy, Optimism, Hope, Mindfulness, Flow and Spirituality.

96

Section B

4. Virtues and Strengths of Character: Classification and Measures of Human Strengths, Gallup's Clifton Strength Finder; VIA Classification; Identifying Personal Strengths.

5. Resilience : Meaning and Sources; Developmental and Clinical Perspective; Successful Aging and Growth through Trauma.

6. Self-Regulation and Self-Control: Meaning and Theories; Planning for Self-Regulation Success; Self-Regulation Problems – Goal Conflict, Goal Difficulty and Goal Disengagement.

Section C

7. Mental Health and Well-Being : Subjective Well-Being and Life Satisfaction, Social Well-Being and Psychological Well-Being, Complete State Model.

8. Emotional Intelligence : Meaning, Components and Theories; Enhancement of Emotional Intelligence.

9. Pro-Social Behavior : Empathy, Altruism, Gratitude and Forgiveness.

Books Recommended:

- Snyder,C.R. Lopez,S.J.(2007).Positive Psychology. New Delhi: Sage.

- Snyder, C.R. Lopez. J.(2005). Handbook of Positive Psychology. New York: Oxford

- .Wong, P.T. and Frv, (1998). The Human Quest for Meaning. *Mahwah*, New Jersey: Lawrence, Erlbum

- Baumgardner, S. ers,M.(2009). Positive Psychology. New Delhi: Pearson Education

97

Paper-II:

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 Organizational Setting.

9. Practical and Ethical Issues in Psychological Testing.

Books Recommended:

- Anastasi, A. (1997), Psychological testing, New York; MacMillan Co.

- Chadha, N.K. (2009). Applied Psychometry, New Delhi: Sage.

- Kaplan, R M and Saccuzzo, D P. (2009) Psychological Testing and Assessment. New Delhi Cengage Learning.

98.

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अरुण कुमार सिंह (2002) : मनोविज्ञान मे मापन एवं मूल्यांकन. नई दिल्ली, मोतीलाल बनारसीदास।

Paper-III

Practicals

1.   Measurement of Subjective Wellbeing

2.   Measurement of Forgiveness

3.   Measurement of Emotional Intelligence

4.   Measurement of Attributional Styles

5.   Measurement of Resilience

6.   Measurement of Intelligence (SPM)

7.   Personality Assessment through HSPQ

8.   Reaction Time

9.   Mullar Lyer Illusion

10. Measurement of Level of Aspiration

99 .

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22. TEXTILE-CRAFT

SCHEME: BA/B.Com/PART-III Exam. - 2019

		Duration	Max mark	Min mark
1. **Theory:**	Paper-I	3Hrs	30	
	Paper-II	3Hrs	30	22
2. **Practical:**	Paper-I	3Hrs	35	
	Paper-II	3Hrs	35	25 —
3. **Submission:**	Paper-I		35	
	Paper-II		35	25 —

Syllabus (Theory):

Paper-I : Weaving Theory II

UNIT-I

1. Types of Spinning: Mechanical and Chemical
   Mechanical spinning process: picking, ginning, combing/carding, drawing etc. Types of chemical spinning-melt spinning, dry spinning and wet spinning.
2. Types of Yarns: Simple and Fancy
   Simple yarn: single and double/plied/folded yarn
3. Calculation of resultant count for folded yarn

| 100

UNIT-II

1. Manmade and Synthetic fibres

Man-made fibres: Basic methods of producing rayon fibre, Different types of man-made fibres

Synthetic fibres: Different types of synthetic/chemical fibre, method of their production, properties of polyester fibre, nylon fibre, glass fibre.

2. Silk and Wool

Production, spinning, properties and uses of silk, different types of silk

Classification of wool, wool spinning process, difference between woollen and worsted fabric

3. Concept of Mixing and Blending, Basic difference between mixing and blending. Concept of Staple and Filament fibre; difference between staple fibre and filament fibre

UNIT-III

1 Derivatives of Twill weave: Broken weave, Herringbone weave and Diamond weave

2 Towel weaves: Huckaback and Honeycomb; quality of yarn and weave selected for towels

3 Concept of shedding mechanism; Dobby and Jacquard shedding mechanism

Paper-II: Dyeing Theory II

UNIT-I

1. Dye molecule; Concept and Importance of Chromophores and Auxochrome in a dye
2. Objectives of Fabric finishes; different mechanical and chemical fabric finishes; Determinants of finishes
3. Different types of natural and synthetic dyes.

UNIT-II

4. Method of direct printing: Screen printing; colour preparation and screen preparation
5. Discharge and Resist printing; different styles of discharge and resist printing
6. Factors affecting colour fastness: composition of fibre, chemical structure of dye, techniques of dyeing/printing, addition of other useful additives

UNIT-III

7. Importance of fabric finishes
8. Different types of chemical finishes- crease resistant finish, water proof finish, fire proof finish, moth proofing finish and absorbency finish.
9. Determinants of fabric finishes.

102

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Practical (Paper-I):

1. Concept of yarn twist(S twist and Z twist) and plied yarn(single and double yarn)

2. Calculation of Ends and Picks per inch in given piece of fabric

3. Towel weaves preparation using paper strips

Practical (Paper-II)

1. Screen preparation (simple tracing method)

2. Table cover preparation by screen printing

Submission (paper-I)

1. Assessment of yarn and fabric samples
2. Assessment of weave samples

Submission (paper-II)

1. Assessment of samples
2. Any one article using screen printing

Practical Examination Scheme:

Major Problem: 20 Marks

Minor Problem: 15 Marks

103

Reference books:

Booth, J.E. (1996) Principles of Textile Testing, 1st edition, CBS publishers & distributors PVT.Ltd. New delhi

Sahnai, V.A. (1980) Technology of Dyeing, Sevak publications. Mumbai

Sahnai, V.A. (1979) Technology of printing, Sevak publications. Mumbai

Sahnai, V.A. (1999) Technology of finishing, Sevak publications. Mumbai

104 -

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23. INVESTIGATIVE BIO-TECHNOLOGY

Scheme :

Paper—I Theory   3 Hrs. Duration   40 Marks

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

Practical Experience   Min. Pass Marks 15

Practical

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

Paper—I Parasitology, Systemic 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.
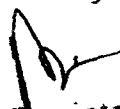10. Screening Test for common poisons. (Literatrue and books on Toxicology).

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, Hematological 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 examined 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 bilirubin 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 Aggulutmation and Paul Bunnal Test.

107

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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.)

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108

B.SC/B.A/B.COM.PART-III

PAPER-1

APPAREL PRODUCTION

B.A/B.COM.-M.M 30

B.SC.-M.M. 50   HRS.- 3

SECTION-A INTRODUCTION TO FASHION

1. Fashion terminology, sources of fashion, factors influencing fashion.
2. Fashion forecasting and fashion cycle.
3. India and international fashion designers (five each).
4. Sociological and psychological significance of clothing.

SECTION-B MANUFACTURING TECHNOLOGY

5. Product development, design development, developing a sample garment.
6. Apparel production
    i.   Costing a garment
    ii. Purchasing pattern making
    iii. Production scheduling
    iv. Spreading and cutting procedure
    v.   Contracting
    vi. Garment assembly

7.Introduction to industrial machine-

i. cutting: round, straight and band

ii. fusing: collars, facing

iii. sewing: chain stitch, lock stitch , button hole , blind stitching

8.Use of components and trims-

i. performance and properties of components and trims.

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ii. labels and motifs

iii. linings and interlinings

iv. face , braids , elastics

v. fastners , loops

vi. seam binding and tapes

vii. shoulder pads, eyelets

SECTION-C

DYEING AND PRINTING

Application of design:

9. i. Printing methods-block,screen,stencil,roller.

   ii. Styles of printing – direct, discharge and resist.

10. Dyeing – Introduction to natural and synthetic dyes

        (acid, basic, sulphur ,vat, reactive and direct dyes)

11. Stages of dyeing : Fiber, yarn and fabric

References:

1. Rouse Elizabeth, 1999, understanding fashion, Blackwell science.

2. Carr Harold and john pomerory, 1996. Fashion design and product development . Blackwell science .

ǀ 10

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B.SC./B.A./B.COM.PART – III

PAPER-II

INTERNATIONAL MARKETING

B.A./B.COM.-M.M. 50   HRS-3

B.SC.-M.M. 60

SECTION –A

1. International Marketing: nature and scope of international marketing.
2. International marketing v/s domestic marketing.
3. Importance of international marketing.
4. Problems and challenges of international marketing.
5. Selection of agents.

SECTION – B

6. Identification of markets for readymade garments.
7. Market entry conditions.
8. Channels of distribution.
9. Direct and indirect export.
10. Trade fair and Exhibitions.

SECTION – C

11. Pricing, role of price and non price factors, factors influencing pricing, price quotation, information needed for export pricing.
12. Role of trading and export houses.
13. Institutional segments and packaging for exports: packing material, boxing and pressing department, machinery and equipments used in packaging department.
14. Quality control.
15. Labeling and consumer protection.

111

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B.SC./B.A./B.COM.PART-III

PRACTICAL – 1

FASHION ILLUSTRATIONS

B.A./B.COM.-M.M. 50   HRS-4

B.SC.-M.M. 25

1.   Prepare an adult's bodice and sleeve block.

2.   Sketching and designing of men/women garments (5 each)

3.   To prepare with specific details of necklines and sari blouses. (20)

4.   To identify patterns and its application for women designer dress on fashion figures:

Types of patterns include -

    i)   Structural
    ii)   Geometrical
    iii) Stripes and plaids
    iv)   Floral

5.   Design and prepare an adult dress for fashion shows

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B.SC./B.A./B.COM.PART – III

PRACTICAL – II

DYEING AND PRINTING

B.A./B.COM.-M.M. 60   HRS-4

B.SC.-M.M. 25

1.   Prepare and article of each:

    i)   Dyeing – tie and dye, batik.

    ii)   Printing – block, screen, stencil

2.   Field trips to Export houses and mass production centers.

3.   Exhibition:

References:

1. Bhargava, Ritu, 2005, fashion illustration and rendering Jain Publications Pvt. Ltd. New Delhi.
2. Ireland, fashion designing drawing ard presentation.
3. Prayag: technology of textile printing.

Shenai: technology of dyeing

113

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26 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) $2 \times 16 = 32$

(ख) दो प्रश्न-प्रत्येक पुस्तक पर एक-एक आलोचनात्मक प्रश्न $2 \times 20 = 40$

(ग) एक प्रश्न निबंध $1 \times 28 = 28$

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। $5 \times 20 = 100$

Dy. Registrar (Acad.)
University of Rajasthan

(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)।

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

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

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

27 B. LIVESTOCK & DAIRYING

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

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

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 elascin.

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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

119.

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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

120

28. ANTHROPOLOGY

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 at least 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, Api. 1992. Research Methodology in Anthropology. New Delhi. Inter-India.

Goode & Hall. 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.

Paper-II Society and Culture in India

UNIT-I

Characteristics of Indian Culture. Purushartha, Varna Vavastha, Ashram Vavastha 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 जयदेन

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

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. Macbeth - Shakespeare
  c. Renaissance Plays
    1. Mock Doctor - Mollier
    2. Miser - Mollier
  d. Realistic Plays
    1. Doll's House - Ibsen
    2. Three sisters - Chekhov
  e. Epic Plays
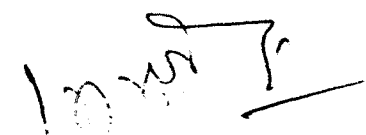   1. Three Penny Opera - Brecht
    2. Mother Courage - Brecht

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-II   **Scene Design (Theory)**

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

  a. Brief study of the development of Theatre Building.
  b. Definition and study of basic principles of Scene Designing.
  c. Study of conventions of Natyashalas of Natyashastra.
  d. functions and different forms of Scenery.

Dy. Registrar
(Academic)
University of Rajasthan
JAIPUR

123.

. Study of the process of the Scene Construction.

B. A. Part – III (Drama) Practical Examination 2018-19

Scene Design & Production
PRACTICAL PAPER –II
Duration – 3 Hours   Max. Marks   50   Min. Pass Marks - 18

   a. Cross section of Theatre building.
   b. Rough sketches and Mechanical Drawing such as plan Elevations, Working Drawings, Cross Sections, Isometric, Orthographic and perspective Drawing
   c. Model Making of a set

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

   d. Play Production by each students
   e. Submission of workbook and assignments

Books Recommended:
1. Designing and printing for Theatre, Lynn Pecktel.
2. ScenerIography and Stage Technology, W.F. Bellman.
3. Scene Designing and Lighting, Parker and Smith.
4. Building a Character, K. Stanislavsky.
5. Creating a Role, K. Stanislavsky.
6. Hindi Abhinav Bharti, Vishweshar.
7. Breaht on theatre (Selected chapters), Tr. John willet.
8. A primer of Acting, C. Lowell Lees.

Dy. Registrar
(Academic)
University of Rajasthan
JAIPUR

124.

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	
Practical	Programming Laboratory	50	70
	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.

Practical :

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

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. 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

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

127

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

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

128

(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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

129

    (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., Roscoe D.A. Physical Education and the Study of Sports Wolfo publishing Ltd.

Paper-II   Duration 4 Hrs.   Max. Marks : 100
Practicals: Mandatory Change
1. 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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

130

     (iii) Volleyball - Bardy Volleyball test.
     (iv) Badminton - Lockart and MC -Pherson Badminton test.
     (v) Soccer - Mc Donald Soccer test.
  B. Specialization Record book

VII. 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.
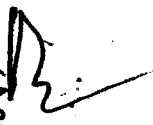
Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

1 3 1

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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

132

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 t. — 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.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR

133

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. सिद्धान्त अशोक कुमार : शारीरिक शिक्षा सिद्धान्त, मनोविज्ञान एवं इतिहास : श्रीयांश पब्लिकेशन्स जयपुर।

19. भाटिया ए.एल. और बघेला हेत सिंह : शरीर रचना, क्रिया शास्त्र, स्वास्थ्य शिक्षा, सुरक्षा शिक्षा, प्राथमिक चिकित्सा और आहार : श्रीयांश पब्लिकेशन्स जयपुर।

20. कमलेश और संगात : 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.

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University of Rajasthan
JAIPUR

134

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 I. : 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) कल्याणी पब्लिकेशन लुधियाना।
11. अजमेर सिंह और अन्य शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए.III) कल्याणी पब्लिकेशन लुधियाना।

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University of Rajasthan
JAIPUR

135

12. मोहम्मद वाहिद और दीक्षित 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. सिकुमा 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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136.