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University of Rajasthan

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

R.II (2)

The number of papers and the maximum marks for each paper together with the minimum marks required for a pass are shown in the Scheme of examination on against each subject separately. It will be necessary for a candidate to pass in the theory part as well as the 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 Part I, Part II & Part III Examination, taken together.
Second Division 48%

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

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

Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
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Dy. Registrar (Acad.)
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**N.B.**

1. Candidates must pass separately in each of the paper Theory and Practical, Wherever prescribed.
2. Common papers in the subjects of Statistics and Mathematics, Economics, Geography and Psychology will be set both in the Faculties of Social Sciences and Science. The allocation of marks will however, be different.

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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

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SECTION B

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

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

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Introduction from *Women Writing in India: 600 B.C to the present*

S.V Srinivas: The Politics of Failure
Kanchan Ilaiah: Why I am not a Hindu

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

**Foundation Books, 2005:**

- Munshi Premchand: The Shroud
- Ismat Chughtai: Roots
- V.M. Basheer: Birthday
- Shashi Deshpande: My Beloved Charioteer
- Ambai: A Kitchen in the Corner of House

**SECTION B**

- 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:**

2. हिंदी साहित्य

प्रथम प्रश्न पत्र
आधुनिक हिंदी कविता

अनुच्छेद: 3 घण्टे

1. भारतेनु – प्रबोधनी
2. हसनीश – नियम प्रवास (पवननदी प्रसंग) सर्ग-6 छंद संख्या 51 (लू पावेनी कुशुम गहने ......... .......) से छंद संख्या 83 (संदिग्धता श्री यथार्थ) तक।
3. मैथिलीसरस गुप्त – (सावक)–नवम सर्ग से चार्चित अंश
   1. कहते .............. बोलकर आओ
   2. उस सल्यानी विषयविहीनी ...... यत्र ओऽ की ओट
   3. रीतियों ही वसा .......... प्रतीक
   4. कौन तो दिखाई दृष्य .......... सदय हदय से सेनकर
   5. वेदने तु भी .... प्रण सिरी
   6. सिंघ नीलनमसर .. ... स्वरताल
   7. दरसो परसो...... जन, वरसो
   8. मे निज आतिष्ठ .... वन में जाग
   9. लाई सिंघ मालिने श्री...... चौमासे की माणा
   10. निरंख सिरये थे खजना..... विफल सा विस्तीर्ण

4. प्रसाद–पेशेरे की प्रतिमाण, हिमालिदूलो, हिमालय के आगम में,
   ‘अंडू’ प्रारम्भ से – पाकर इस सूर्य हदय को सहने आ देसा दाला तक।
5. निराला–1. जागो, एक बार फिर–1.2, शाम की शाक्त पुजा–खिल गयी सभा से अंत तक
6. अंजोय – युद्ध विराम, ये पुल बनायेंगे, भीतर जामादाता
7. मुक्तिवोध – बुलुल, उन्हें युद्ध की ही बात करने दो, जन जन का चेहरा एक
8. धर्मवीर भारती – कनुप्रया (पुस्तक के प्रथम पांच गीत)
9. नरेश मेहता – प्रार्थना ध्वनिये, महामाय, शुभदर्श-एक समानवना, इतिहास और प्रार्थना
10. दृष्टं कुमार- निम्पलिखित दस गजलें
   1. कहैं तो तत् था सिरागा
   2. ये सारा जिसम झुककर
   3. शूक है तो सब कर, रोटी नहीं
   4. कहैं तो पुल की बादर
   5. मत कहैं, आकाश में कृष्ण?
   6. हो गई है पीर परवत सी
   7. जिज्ञाजनी का कोई गकसद नहीं है
   8. बाँझ की समानवनाँ सामने हैं
   9. फक गई हैं आदर, बालों से सर
   10. एक कुञ्जवा की कई कठपुतलियों में जान है

अंक विभाजन : वाक्यं – कुल चार (एक कवि से एक ही वाक्य चूकी जागेगी)
आत्मिक विकल्प देय (4 x 10 = 40) अंक
आत्मविश्वासक प्रश्न– कुल चार (4 x 15 = 60) अंक
अंतिम प्रश्न तीय्यार पर्यंत होगा। कुल दो टिप्पणियाँ 7½ - 7½ अंकों की उपहार जागेगी।
आत्मिक विकल्प देय होगा।

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नाटक:  
धुव स्वामिनी — जयशंकर प्रसाद  
मुकेशपथ — रवि चुरुक्क्दी  

निबंध:  
1. आवार्य रामचन्द्र गुरुल — लोक और प्रीति  
2. जयशंकर प्रसाद — यथार्थवाद और छायावाद  
3. नंददुलारे वाजपेयी — भारतीय साहित्य की एकता  
4. हजारी प्रसाद विश्वेदी — कुटज  
5. सचिवदानन्द हीरानन्द कायमीरन अझेय — वेतना का ‘संस्कार’  
6. कुबेरनाथ राय — नीलकंठ उदास  
7. ड्र. नंदेन्द्र — कविता कथा है?  
8. विद्यानिवास मिश्र — तमाम के आरोह से  

अंक विभाजन:  
वाचन — कुल चार (एक पाठ से एक ही वाचन पूर्ती जाएगी)  
आत्महत्या विकल्प देय (4 x 10 = 40) अंक  
अलौकिक प्रश्न— कुल चार (4 x 15 = 60) अंक  
अतिम प्रश्न टिप्पणी पर कार्य करें। कुल दो टिप्पणियाँ 7½ - 7½ अंकों की पूर्ती जाएगी।  
आत्महत्या विकल्प देय होगा।  

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9
3. B.A. Part-III Urdu —
Paper-I (Jadeed Asnafe Adab)

M.M. : 100
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 Europa Asrat-by Hamidi Kashmiri
2. Urdu Khakee 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 Mutaaliya-by Dr. Athar Parveez

Paper-II
(History, Essay and Translation)

M.M. : 100
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.
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 Dabistan Shairi-by Noorul Hasn Hashmi
4. Luknow Ka Dabistan Shairi-by Abdulla Siddiqi
5. Sir Sayed Aur Aligarh Tehreek-by Khaleq Nizami
6. Fort William College Ki Adabi Khidmat-by Ubeda Begum

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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-Pise-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-Buzagan

2. Nisabe-Jadeed-Farsi (Hissa Nasar Wa Nazam)
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-Adabiyyate 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.
Persian

History of Persian Literature and Translation
Paper-II

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

Book Prescribed

1. Tariikh-e-Adabiyyat-Iran By Raza Zada Sahfaq (Urdu Edition/Translated)

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:
   (i) Tariikh-e-Jahânkusha (ii) Jamu-ul-Tawarikh
   (iii) Tariikh-e-Wassaf (v) Tariikh-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 Sataris

The Safawi Period
   (i) Historical & Political Importance of the Safawi Dynasty
   (ii) Study of the poetry of Mohatsham Kashani The Qajar Period
   (iii) A Detailed Critical Study of Mirza Habeeb Qani

Unit-4 Short Note on the following Important Histories, Memories &
   Biographic of Qachar Periods. 20
   (i) Nasik-ut-Tawareekh (ii) Riyazul Arfeen wa-Majmaussafa
   (ii) Tariikh Muntazim Nasri (iv) Nama-e-Danishwaran

Unit-5 Translation of Five Urdu Sentences into Persian 10

Total 100

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

[Signature]

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सामान्य निर्देश –
1. प्रत्येक परीक्षा में दो-दो प्रश्नपत्र होंगे।
2. प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घंटे का होगा।
3. परीक्षा का माध्यम हिंदी/अंग्रेजी होगा, परंतु प्रश्नपत्र केवल हिंदी में बनाया जायेगा। परीक्षार्थी को छूट होगी कि वह हिंदी, संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विषय 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 प्रश्न में से अनुवाद, स्याहा, सरलार्थ एवं सामान्यवादी प्रश्न पूछे जायेंगे।
6. प्रत्येक प्रश्नपत्र में 10 प्रश्न अंक संगठित भाषा में उत्तर दे सके।
7. प्रत्येक प्रश्नपत्र में दो भाग होंगे, जिसमें प्रथम ‘अ’ भाग बहुविकल्पीय (व्याख्यान) एवं लघुस्फरीकरण प्रश्नों का होगा। ‘व’ भाग में निबन्धात्मक प्रश्न होंगे। ‘अ’ भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णांक 30 अंक रहोगा। इनके समाधान के लिए एक घंटे का समय निर्धारित है। ‘व’ भाग के पूर्णांक 70 है तथा कालांकित 2 घंटे निर्धारित है।

परीक्षा योजना—

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प्रथम प्रश्न-पत्र : भारतीय दर्शन एवं व्याकरण

प्रथम प्रश्न पत्र के दो भाग होंगे, जिसमें ‘अ’ भाग बहुविकल्पीय (व्याख्यान) एवं लघुस्फरीकरण प्रश्नों का होगा। ‘व’ भाग में निबन्धात्मक प्रश्न होंगे। ‘अ’ भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 अंक रहेगा। इनके समाधान हेतु एक घंटा की अवधि निर्धारित की गई है। ‘व’ भाग का पूर्णांक 70 अंक रहेगा, जिसके लिये शेष दो घंटे की अवधि निर्धारित है।

1. श्रीमद्भगवद्गीता – (2.3.4 अध्याय) 30 अंक
2. तर्कसंग्रह

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3. तिडंत—लघूसिद्धान्तकौमुदी के आधार पर 'भू', एवं एघु धातु की लट्ट लोद, लूट, लड्ड एवं विढ़ितिह इन पांच लंकारों में एवं संस्त गणों की प्रथम धातुओं की लट्ट लंकार में रुपसिद्धिय एवं सूजों की सोदाहरण व्याख्या

कुल योग

100 अंक

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<td>06</td>
<td>02</td>
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<td>3.</td>
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<td>20+20=40</td>
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कुल योग

20 30 06 70 100

प्रश्नपत्र निर्माता के लिए निर्देश

1. श्रीमद्भगवदगीता

'अ' भाग

5 लघूततरामक प्रश्न प्रति प्रश्न 2 अंक

'ब' भाग

4 श्लोकों में से 2 की साप्रस्त व्याख्या (एक व्याख्या संस्कृत में) अपेक्षित है।

2 प्रश्नों में से एक प्रश्न प्रश्नपत्र है। 06 अंक

2. तर्कसंग्रह

'अ' भाग

5 लघूततरामक प्रश्न प्रति प्रश्न 2 अंक

'ब' भाग

4 में से 2 की व्याख्या (एक व्याख्या संस्कृत में) अपेक्षित है।

2 प्रश्नों में से एक प्रश्न प्रश्नपत्र है। 06 अंक

3. व्याकरण तिडंत

'अ' भाग

10 लघूततरामक प्रश्न प्रति प्रश्न 2 अंक

'ब' भाग

10 सूत्र पूछकर कितनी 5 की सौदाहरण व्याख्या अपेक्षित है। प्रति व्याख्या 2 अंक निर्धारित।

10 अंक

10 शब्द सिद्धि पूछकर कितनी 5 शब्दों की सूत्र निर्देशस्पर्शक सिद्धि। प्रत्येक सिद्धि हेतु 2 अंक

कुल अंक योग

100 अंक

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सूत्रप्रणय पुस्तकें

(क) तर्कसंग्रह – कोडासस, पुणा
तर्कसंग्रह : वीरखम्य प्रकाशन, वाराणसी

(ख) गीता
भगवदगीता– सीताप्रेस, गोरखपुर
भगवदगीता, विनोद पुस्तक मंडिर, आगरा
गीता रहस्य–तिलक
भगवदगीता 2,3,4 अध्याय, डॉ. शिवसागर ट्रिपाठी
श्रीमदभगवदगीता (2,3,4 अध्याय)– व्या. डॉ. राजेन्द्रप्रसाद शर्मा, जगदीश संस्कृत
पुस्तकालय, जयपुर

(ग) व्याकरण
1. लघुसिद्धान्त कौमुदी–तिन्द्र प्रकरण–डॉ. पुकर दत्त शर्मा, अजमेरा बुक कंपनी, जयपुर
2. लघुसिद्धान्त कौमुदी–पं. श्री हरेकान्त मिश्र, भारतीय विद्या प्रकाशन, दिल्ली
3. पाणिनीय व्याकरण का अनुवाद आर एस भट्टाचार्य, इंडोलोजिकल बुक हाउस, बनारस
4. लघुसिद्धान्त कौमुदी–हिंदी व्याकरण, डॉ. अर्कनाथ चौधरी, आयुर्वेद हिंदी संस्कृत
पुस्तक मंडिर, जयपुर
5. लघुसिद्धान्त कौमुदी– भीमसेन शास्त्री
6. लघुसिद्धान्त कौमुदी– महेशसिंह कुशवाह, वीरखम्य संस्कृत प्रतिष्ठान दिल्ली।
7. लघुसिद्धान्तकौमुदी–तिन्द्र प्रकरण, डॉ. सुभाष वेदालकर, अलंकार प्रकाशन, जयपुर
8. तर्कसंग्रह– व्यायामकार डॉ. दयानंद भार्गव, मोतीलाल बनारसीदास, नई दिल्ली

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(५)
द्वितीय प्रश्नपत्र— काव्य, धर्मशास्त्र, एवं निबंध

समय: 3 घण्टे  

प्रश्नपत्र में कुल 15 प्रश्न होंगे। जिसमें 'अ' भाग 50 अंक, 'ब' भाग 50 अंक, जिनका पूर्णांक 30 अंक का होगा। इनके समयांतर हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 अंक का होगा, जिसके लिये शेष दो घण्टे की अवधि निर्धारित है।

पाठ्यक्रम

1. रघुनाथम्— छठा सर्ग (इदुमती-ब्रह्मवर्त्य)  
2. महाभारत (व्यास) —उद्योग पर्व, विद्वर्णीति (34–35 अध्याय)  
3. रामायण (पाल्मिका) बालकाण्ड, प्रथम सर्ग  
4. इतिहासज्ञ, नामदेव प्रकरण, पं. मदुसूदन ओझा  
5. निवंदनचरणा —संस्कृत में  
कुल योग  
20 अंक
20 अंक
20 अंक
20 अंक
20 अंक
100 अंक

अंक—विभाजन

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प्रश्नपत्र निर्माता के लिए निर्देश

1. रघुनाथम्— छठा सर्ग (इदुमती-ब्रह्मवर्त्य) | 'अ' भाग | 4. लघूतरात्मक प्रश्न प्रति प्रश्न 2 अंक | 'ब' भाग | 2 श्लोको में से 1 की साप्ताङ्ग व्याख्या | 08 अंक  
| | अंक | | | | 06 अंक |
| | 'ब' भाग | | | 2 प्रश्नों में से एक प्रश्न प्रक्ष्य है। | 06 अंक |
| 2 | महाभारत विद्वर्णीति | 'अ' भाग | 4. लघूतरात्मक प्रश्न प्रति प्रश्न 2 अंक | 'ब' भाग | 2 श्लोक पूछकर उनमें से किसी 1 | 06 अंक |

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सहायक पुस्तक—
रघुवंशम्
1. रघुवंश छठा सर्ग
महाभारत—विदुर नीति
1. विदुरनीति— डॉ. कृष्णकांत शुक्ल, साहित्य मंडार, मैरल।
2. विदुरनीति— श्री रेवतीरमण शास्त्री, गृहिक टेडर्स जयपुर।
रामायण
1. रामायण—वाल्मीककृत — गीताप्रेस, गोरखपुर।
2. रामायण—वाल्मीककृत — के. सी. पत्थर, निर्मित्यसागर प्रेस, मुंबई।
3. रामायणकालीन भारत— व्यास एवं पाण्डेय, आम्बाराम एंड संस, दिल्ली।
4. लेखचर्या अंक रामायण— मदास साहित्य अकादमी, मदास।
मनुष्मृति
1. मनुष्मृति : हरगोविन्द शास्त्री।
2. मनुष्मृति, रामेशरमण कृत चौखंडा संस्कृत प्रतिष्ठान, दिल्ली
3. मनुष्मृति, जगदीशशालार शास्त्री, मोतीलाल बनारसीदास, दिल्ली।
4. मनुष्मृति, डॉ. गजानन्द शास्त्री, चौखंडा संस्कृत प्रतिष्ठान, दिल्ली
5. मनुष्मृति, व्याख्याकार—निवासनामहिनी पापुआ, संपादक—ओप्रासक्ष पापुआ, चौखंडा संस्कृत प्रतिष्ठान, दिल्ली।
6. मनुष्मृति, 'संग्रहा' हिंदी व्याख्या साहित्य चौखंडा संस्कृत प्रतिष्ठान, दिल्ली।

इन्द्रविजय

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(18)
1. इन्द्रविजय–व्याख्याकार पं. रामप्रपत्न शर्मा, प्रकाशन जगदीश संस्कृत पुस्तकालय, जयपुर
2. इन्द्रविजय–डॉ. श्रीकृष्ण ओझा, राजप्रकाशन मंडिर, चौडा रास्ता, जयपुर
निवन्ध रचना
1. प्रकथ रत्नाकर, श्री आर सी शुक्ल
2. प्रस्ताव सर्ग:नी–श्रीवासुदेव शास्त्री
3. संस्कृत निवधर्ताकर–शिवप्रसाद महाद्वार
4. संस्कृत निवधकतिक डॉ. रामजी उपाध्याय
5. संस्कृत निवन्धादर्श डॉ. रामदीप सर्मी
6. संस्कृत निवन्ध एवं व्याकरण – पं. चण्डीप्रसाद
7. निवन्ध–चन्द्रका–कृष्णदेव उपाध्याय, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
8. निवन्ध–निवेदन–सर्गावधा शास्त्री, चौखम्बा विद्यामूल, वाराणसी
9. निवन्ध शालकर, कवितादेव ड्यूर्य, चौखम्बा विद्यामूल, वाराणसी
10. निवधकतिक डॉ. रामदीप सर्मी आचार्य आगरा प्रकाशन, दिल्ली
11. निवन्ध आदर्श, म.म. श्री गिरीश शर्मा चूर्यादेवी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
12. संस्कृत निवन्ध रचना, डॉ. श्रीकृष्ण ओझा, राज प्रकाशन मंडिर, जयपुर
13. संस्कृत निवन्धादर्श, डॉ. सुभाष वेदालाकार, अलंकार प्रकाशन
14. संस्कृत निवन्ध, डॉ. नन्दकिशोर गोतम 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 बूढ़िक्रिया (वस्तुनिष्ठ) एवं लघुतर प्रश्नों का होगा। ‘ब’ भाग में निवधासक प्रश्न होंगे। ‘अ’ भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णक 30 अंकों का होगा। इनके समाप्त हेतु एक पृष्ठ की अवधि निर्धारित की गई है। ‘ब’ भाग का पूर्णक 70 अंकों का होगा, जिसके लिये शेष दो घण्टे की अवधि निर्धारित है। 10 अंक संस्कृत भाषा के माध्यम से उत्तर देने के लिये निर्धारित है।

पद्यक्रम

1- भारतीय ज्योतिष के प्रारम्भिक सिद्धांतों का परिचय

(क) श्रीप्रभोक (काशीनाथ देवजी) – प्रथम प्रकरण (लतापातादि दस दोष रहित)

(ख) फलित प्रभोक (विनोद शास्त्री)

अंक — 70 अंक

2- तिथि–निर्णय के सामान्य सिद्धांत, प्रमुख खर्चवृत्त तथा शंकुग्रह का सामान्य परिचय – काल के 4- भेद, व्यय के पांच भेद, अयम, ज्यय, भाष, पश, तिथि, ध्यय, तुल्द कस्मिन्ति निर्णय, दातन्य, अर्थक्षणम्–स्मार्तसूत्र में व्याख्यात्व, भाषानि, कालं ते भेद एवं निर्णयम्, द्विवेदी, ज्यय, गणेन्द्रनार्था, सर्वनार्थम्, नवास्त्र स्थापना, महालय (आदि), दीपावली, होलिका आदि का सामान्य ज्ञान अपेक्षित है। पंचांग परिचय में तिथि, वार, नवम, वार, योग, करण का ज्ञान तथा पंचांग की सहायता से गुप्त समाल, विवेक गुप्त निर्णय, गृहार्थ, प्रहर्यश्य आदि जानने की शक्ति का ज्ञान अपेक्षित है।

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प्रश्नपत्र निर्माण के लिए निर्देश—

1. भारतीय ज्योतिष (क) शीघ्रबोध

| 3 लघुपत्रालम्ब प्रश्न प्रति प्रश्न 2 अंक। | 06 अंक |
| 3 लघुपत्रालम्ब प्रश्न प्रति प्रश्न 1 अंक। | 03 अंक |
| 6 निबन्धालम्ब प्रश्न पूँछकर 3 प्रश्नों के उत्तर अभीष्ट। प्रति प्रश्न 7 अंक निर्धारित | 21 अंक |
| 7 अंक निर्धारित |

(ख)फलित ज्योतिष

| 4 लघुपत्रालम्ब प्रश्न प्रति प्रश्न 2 अंक। | 08 अंक |
| 4 लघुपत्रालम्ब प्रश्न प्रति प्रश्न 1 अंक। | 04 अंक |
| 4 निबन्धालम्ब प्रश्न पूँछकर 2 प्रश्नों के उत्तर अभीष्ट। प्रति प्रश्न 14 अंक निर्धारित | 28 अंक |

2. तिथि—निर्णय व पंचांग परिचय

| 3 लघुपत्रालम्ब प्रश्न प्रति प्रश्न 2 अंक। | 06 अंक |
| 3 लघुपत्रालम्ब प्रश्न प्रति प्रश्न 1 अंक। | 03 अंक |
| 2 निबन्धालम्ब प्रश्न पूँछकर 1 प्रश्न का उत्तर अभीष्ट। (पंचांग परिचय संस्कृत में) | 10 अंक |
| 2 निबन्धालम्ब प्रश्न पूँछकर 1 प्रश्न का उत्तर अभीष्ट | 11 अंक |

सहायक पुस्तकें—

1. शीघ्रबोध — पं. काशीनाथ देवज्ञ, चौधरी ब्रजबाबु, घाटिलय, वाराणसी
2. फलित प्रबोधिनी—डॉ. विनोद शास्त्री, राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, जयपुर
3. तिथि—निर्णय के प्रमुख सिद्धांत एवं विशिष्ट तिथि पर निर्णय प्रकाशक—राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, विज्ञान, जयपुर
4. पंचांग का सामान्य परिचय, पं. शिवचरण शास्त्री एवं विकास शास्त्री, प्रकाशक—राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, विज्ञान, जयपुर
5. विभिन्न प्रकाशित पंचांगों की सहायता भी ग्राह्य है, जिसमें जयपुर पंचांग पं. दामोदर शास्त्री का कृति ग्राह्य है।

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(पत्र हस्ताक्षर)
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 up to 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 be required to write a 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.
2. Religion without God, atheism, theism, deism, pantheism.
3. Reason, faith and revelation.
4. The concept of dharma.

Unit B:
1. Attributes of God: omniscience, omnipotence, omnipresence, eternity, 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.
Suggested Readings:

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

**Paper II: Plato**

Prescribed Reading: *The Republic*, Plato

Suggested Readings:

Dr. Zakir Hussain : शिक्षात्मक
R.S. Bhatnagar : नागार्जुन (शिप्सिक का हिन्दी अनुवाद)

**Paper III: 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:


Patanjali Yoga Sutra Pradeep, Geeta press, Gorakhpur, U.P.
(Hindi translation available) English Trans. by Prasad Ram Chaukambha, Varanasi, 1986

**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.

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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
- Yasovigaya: 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: Emerging Trends of Thought

Unit A: Feminism

1. Feminism, Definition of Gender. Major schools of Feminism – Liberal, Radical and Socialist schools.
2. Aristotle, Manu and Gandhi's view on women.

Unit B: Peace Studies

1. Peace as non-violence, Gandhi’s contribution to peace: Satyagraha & civil disobedience.
2. Peace as a value in Religions. Views of Vedas, Jainism & Buddhism.

Unit C: Human Rights


Suggested Readings:
- O.P. Gauba: An Introduction to Political Theory, Social-Political Philosophy.
- Mary Evans: Introducing Contemporary Feminist.
- Allan Wingate: Human Rights-Comment and Interpretation, UNESCO, 1949
- Mahatma Gandhi: My religion

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The scheme of examination will be as follows:

<table>
<thead>
<tr>
<th>Paper</th>
<th>Duration</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper I</td>
<td>3 hrs.</td>
<td>100</td>
</tr>
<tr>
<td>Paper II</td>
<td>3 hrs.</td>
<td>100</td>
</tr>
</tbody>
</table>

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
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 मंटे की अवधि का एवं 100 अंकों का होगा।

प्रत्येक प्रश्नपत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे।
20 अंकों के प्रथम अनिवार्य प्रश्न में, दो-दो अंक के 10 अनिवार्य अतिलघुत्तरात्मक प्रश्न होंगे। प्रत्येक उत्तर की शब्द सीमा 20 शब्द।
20 अंकों के द्वितीय अनिवार्य प्रश्न में, चार-चार अंकों के 10 लघुत्तरात्मक प्रश्न होंगे जिनमें से 05 प्रश्न करने होंगे। प्रत्येक उत्तर की शब्द सीमा 50 शब्द।

प्रश्नपत्र के द्वितीय भाग में, उत्तरक्रम के तीन खण्डों में से, प्रत्येक खण्ड से दो-दो प्रश्नों का चयन करते हुए कुल 06 निवार्यवात्मक 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;
PAPER I: HISTORY OF MODERN INDIA (1761-1971 A.D)

Section - A


Section - B


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

खण्ड - अ

अठारहवीं शताब्दी के मध्य में भारत। नवरात्र फरसंथ, इसकी शक्ति एवं दुर्बलता - अंग्रेज़ों से संघर्ष एवं न्याय का प्रदर्शन। ब्रिटिश शासन का विस्तार एवं सुधरण - बंगाल, मेसुर, अकबर, सिंह एवं पंजाब - सहायक संघियों एवं लोगों का समूह। इस्ट इंडिया कंपनी पर संगठनीय नियंत्रण की स्थापना - रेगुलेटिंग एक्ट एवं पिट्स इंडिया एक्ट। मूँ-जास्त बलों का आक्रमण: स्थापत्य, रथयात्रा एवं महत्वपूर्ण। ब्रिटिश शासन के श्रीमान नाते श्रीरंजीव : 1857 का विजय - कारण, प्रकृति एवं परिस्थितियाँ।

खण्ड - इ

1858 के बाद ब्रिटिश नीति - ब्रिटिश सर्वप्रथम का विपरीत। औपनिवेशिक अर्थव्यवस्था का स्वरूप - कृषि का व्यवसायीकरण, सूचना, खजूरों का पतन, धन का नियंत्रण एवं भारत की निर्भरता। भारतीय पुनर्जीवन : इसकी प्रकृति एवं क्षेत्र - सामाजिक-वाणिज्यिक सुधार आंदोलन - बड़े समाज, आर्थिक समाज, समाजशासन निर्माण। भारत का स्वायत्त दिगम्बर - प्रथम वचन : भारतीय राष्ट्रवाद का उदय, भारतीय राष्ट्रीय कांग्रेस की स्थापना - स्वरूप एवं उपयोग - 'गौमध्यस्थ' एवं 'सत्ता'। आर्थिक राष्ट्रवाद, स्वदेशी आंदोलन। होम रूप आंदोलन। मुस्लिम सांप्रदायिकता का उदय, एवं मुस्लिम लीग।

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गांधी के नेतृत्व में राष्ट्रवाद : गांधी की विचारधारा एवं पद्धतियों - असत्ययोग, सविनय अवज्ञा एवं भारत छोड़ो आंदोलन। राष्ट्रीय आंदोलन की अन्य धाराएँ : क्रांतिकारी, बालमंथी (समाजवादी एवं साम्यवादी), सुधार चढ़ बोस एवं इंडियन नेशनल आग्री। क्षुद्रकृषि, समाजदूर्वेदिक एवं दशिक वर्ग के आंदोलन। राष्ट्रीय आंदोलन में महिलाएँ। वर्ष 1909, 1919 एवं 1935 के भारत सरकार आंदोलन। सामाजिक साधनीति एवं भारत का विभाजन। स्वतंत्र भारत (1947-1971) की प्रगति एवं परिवर्तन : राज्यों का एकीकरण, कृषि परिवर्तन सुधार, नियोजित एवं अन्य संस्कार का अवशोषण एवं अन्य दीर्घकालिक। स्वतंत्र भारत की विदेश नीति (1947-1971) – गुट निर्यातक एवं परंपरा।

Books Recommended (अनुशीलित पुस्तके):

- **Bisheshwar Prasad**: *Bondage and Freedom, Vol. I and Vol. II*
- **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, उद्घाटन तथा निर्माण, 1998
- **बिपिन चन्द्र एवं अन्य**: भारत का स्वतंत्रता संग्राम, दिल्ली, 1998
- **आज़ादी के बाद का भारत (1947-2002)**, दिल्ली, 2004
- **आर.एल. शुक्ल (सं.**): आधुनिक भारत का इतिहास, हिन्दी माध्यम कार्यान्वयन निदेशालय, दिल्ली विश्वविद्यालय, दिल्ली

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Section - A


Section – B


Section – C


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

लख - ख

पुरातनतम एवं आधुनिक युग का प्रारंभ। धर्ममत अप्रोहन एवं प्रत-धर्ममत अप्रोहन। आधुनिक परिवर्तन से सामाजिक तथा आर्थिक। आर्थिक की आवश्यकता - कारण, प्रक्रिया एवं परिणाम। क्रांति की आवश्यकता - कारण, प्रक्रिया एवं परिणाम।

लख - ख

19वीं सालगत में समापण का उदय। जर्मनी एवं इंग्लैंड का साम्राज्य एवं क्रांति। समाजशास्त्र का प्रभाव एवं एकता। 1848 और 1917 की क्रांतियाँ। सामाजिक और राजनीतिक आंदोलन का विकास। समाजवाद एवं उपनिवेशशास्त्र का विकास। नये विश्व का स्वरूप, विश्वविद्यालय एवं समाजवाद के दृष्टिकोण के साथ जोड़ा गया। बीन में जर्मनी एवं सामाजिक क्रांति। बीन में 1917 की क्रांति - लोगों के लिए सेवा। 19वीं सालगत में जापान का आधुनिकीकरण। प्रथम विश्व युद्ध - कारण एवं परिणाम। नागरिकता।

लख - ख

1917 की शैक्षिक आवश्यकता। आधुनिक मानवता एवं समाजवाद। इंग्लैंड में सामाजिक एवं जर्मनी में राजनीति। द्वितीय विश्व-युद्ध। संयुक्त राष्ट्र संघ - उद्देश्य, उपर्युक्त, रूपगत। 1949 की पीढ़ी क्रांति। शैक्षणिक - युद्ध। मूलाधारी विश्व का अनुभव एवं गूढ़-विश्वसनीय। अपराध विश्वविद्यालय के साथ संबंध। शैक्षिक विकास एवं एकत्रित विकास। मूलाधारी विकास एवं उत्कृष्ट प्रमाण।

Books Recommended (आचरणित पुस्तकें):

- Christopher Hill: From Reformation to Industrial Revolution, Penguin, 1970
- Georges Lefebvre: Coming of the French Revolution, Princeton, 1989
- C. D. Hazzel: 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
A. J. P. Taylor
H. A. Davies
J. E. Swain

Louis L. Snyder

The Origins of the Second World War
A History of World Civilisation, Indian Reprint,
New Delhi, 1994

The Making of Modern Man, Princeton, 1967

América Kā ka Itihās, Patna, 1972
Aryan Itihas (Anuvāda), Allahābād
Drājyug ka Itihas (1915–1919), Poona, 1995
Goods of the Itihas (Anuvāda), Poona, 1971

Pūrva Ashata: Itihasa: Drājyug (Anuvāda), Lakhnāu, 1982
Pūrva Ashata: Aśvitya Itihasa (10th Satām) (10th Century CE) and
Dvārakā (20th Century CE), Lakhnāu, 1973 and 1974
Paśchimini Ashata: Itihasa (1800–1973),
Lakhnāu, 1977

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Page 7
NOT: राजनीति विज्ञान के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र 3 घंटों में विभाजित होगा।
प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में 20 अनिवार्य प्रश्न होंगे। प्रत्येक प्रश्न दो अंकों का होगा। प्रत्येक प्रश्न का उत्तर परीक्षाकर्ता को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकतें। प्रश्न-पत्र के लिए निर्धारित 3 घंटों की अवधि में से अधिकतम 1 घंटे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे।
प्रश्न पत्र के दिसंबर भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निवंदणक प्रक्रिया के प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों का होगा।

प्रश्न पत्र-पत्र प्रश्नपत्र परिषदी कार्यालय

खण्ड 'क'

पौड़ी, अयोध्या व एवरस्ट

खण्ड 'ब'

नोटिसारी के प्रमो, पत्ता व ई-मेल

खण्ड 'ग'

प्रमाण नums और प्रमाण प्रस्तुत करें जैसे तथ्यांक।

अनुपस्तत पुस्तकें:

- अध्यवसाय एवं हिंदी और पोसिडिकल प्रवर्तक (हिंदी न अंग्रेजी)
- तीसरा दौर: पोसिडिकल भाट्ट
- आठवीं दौर: बर्तन पोसिडिकल भाट्ट
- आठवीं दौर: आठवीं पोसिडिकल भाट्ट
POLITICAL SCIENCE

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

Note: The question paper shall be of 3 hours duration. The question paper shall contain two parts:
Paper A shall be of 40 marks and shall be compulsory containing 20 questions of limited words (maximum 20 words) answer and of two marks each. This Part of the Question Paper shall be of one hour duration. The question in this part can be asked from the entire course. Part B of the Question paper shall have 2 question of descriptive type from each of the 3 section, and shall carry 60 marks. The Candidates shall be required to attempt one question of 20 marks from each section.

Representative Western Political Thinkers

Section - A
Plato, Aristotle and Aquinas

Section - B
Machiavelli, Hobbes, Locke and Rousseau

Section - C
Hobbes, J.S. Mill, Karl Marx and Herbert J. Laski

Books recommended:
- A. Hacker: Political Theory
- C.J. Sabine: History of Political Theory
- I. Weyers: Political Thought
- Leiser: Master of Political Thought Vol. I
- Jones: Master of Political Thought Vol. II

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प्रश्न—पत्र के दो भाग होंगे। प्रश्न भाग 40 अंकों का होगा। इस भाग में 20 अनिवार्य प्रश्न होंगे। प्रत्येक प्रश्न दो अंकों का होगा। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक कटे जा सकते हैं। प्रश्न—पत्र के लिए निर्धारित 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न—पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न—पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न—पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे। प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो—दो निर्धारित प्रकृति के प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न—पत्र का यह भाग 60 अंकों का होगा।
Paper-II 3 hrs Duration 100 Marks

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

Paper A shall be of 40 marks and shall be compulsory containing 20 questions of limited words (maximum 20 words) answer and of two marks each. This Part of the Question Paper shall be of one hour duration. The question in this part can be asked from the entire course.

Part B of the Question paper shall have 2 questions of descriptive type from each of the 3 section, and shall carry 60 marks. The Candidates shall be required to attempt one question of 20 marks from each section.
Post War International Developments : Cold War; U.S.A.; Organisation, working and role; U.N.A.; and Third World; Non-Aligned Movement; Collapse of Communist block; Reorganisation of Europe.

Section - B

Foreign Policies of India; USA; China, and Russia

Section - C

Contemporary Trends and Issues in International Politics:
Palestinian Problem and Arab-Israeli conflict
Oil politics and the Gulf crisis; Afghanisthan Problem;
New International Economic Order:
Associations of Regional Co-operation in Asia: ASEAN & SAARC

Books recommended:
- Black & Thomson: Foreign Policies
- Jordon Coud Smit: Patterns of the post World War, 1942
- Haridutt Vaidya: International Politics.
- Dr. Mathurati Sharma: International Relations (since 1945)
- Dumanath Verma: Antar Rastriya Samajandha
- Mahendra Kumar: Theoretical Aspects of International Politics
- Chandra P.C. Antar Rastriya Sambandha (Adarsh Prakashan Chaura Rani, Jaipur
- Pulcher and Potter: International Relations
- Hans J. Marvell: Politics among Nations
- A.V. Prasai: Antarastriy Samajandha
- Harishri Advika: Antarastriy Samajandha
- Pulcher Jain: Antarastriy Samajandha

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Section A
Post War International Developments: Cold War: U.S.O.: Organisation, working
and role: U.S.A. and Third World: Non-aligned Movement: Collapse of Communist block:
Renovation of Europe

Section B
Foreign Policies of India: USA: China, and Russia

Section C
Contemporary Trends and Issues in International Politics:
Palestinian Problem and Arab-Israeli conflict:
Oil politics and the Middle East:
Afgahnistan Problem:
New International Strategic Order:
Associations of Regional Co-operation in Asia: ASEAN & SAARC

Books recommended:
- Black & Thomson: Foreign Politics
- Jonathan C. Netolitzky: Patterns of the post World War II
- S.M. Dhar: International Problems & World Politics since 1949
- Daniel S. Pape: Visions of the Developing World in 1980
- Haridutt Vedakar: International Policies
- Dr. Mathur: International Relations (Since 1945)
- D.K. Verma: Antar Rashtriya Sambandh
- Mahendra Kumar: Theoretica Aspects of International Politics
- Chaddha P.K.: Antar Rashtriya Sambandh (Adarsh Prakasthan Chintam Rasta, Jaipur
- Palmer and Prezar: International Relations
- Hans J. Morgenthau: Politics among Nations
- T.E. Park: Antarashtriya Sambadhan
- Behulal Fadva: Antarashtriya Sambandh
- Pukhray Jain: Antarashtriya Sambandh

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Paper-II: International Relations Since World War-II

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

Paper-I 3 hrs. Duration 100 Marks
Paper-II 3 hrs. Duration 100 Marks

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

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

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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. Marks 120  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.
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 Ghāranas of Khayal and Sitar
(3) Music & Religion.

Section - B

(2) Folk 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) Recognition 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.

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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 at least one question from each section.

History of Indian Music

Section – A

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

Section – B

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

Section – C

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

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Music Practical (Vocal and Instrumental)

Max. Marks 120  Min. Marks 43
There shall be one practical paper (Conducted by two different External Examiners).

Duration of Exam. : 1 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 clause 4 , but not selected under clause 5 & 6.

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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 (दूर्तगत) with sufficient varieties of Todas and Jhalas, Meend, Jamjama, Ghaseet and Krintan in the following Four ragas: (i) Todi (ii) Bihag (iii) Jaunpuri (iv) Darbari-Kanada

(6) To the accompaniment of Tabla to play Drutgat (दूर्तगत) with todas and jhalas in any six ragas of the following-

(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.
(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.
(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.

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<table>
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<th>Max. Marks</th>
<th>Mini. Marks</th>
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<td>Paper-I</td>
<td>100</td>
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<tr>
<td>Paper-II</td>
<td>100</td>
<td>36</td>
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**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 questions 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 of the Constitution of UK, USA, France and China.

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Section - B

Section - C

Core Readings:
3. V.D. Mahaan: Modern Select Governments.
5. त्योहार: समस्तनात्तक प्रशासनिक व्यवस्थाएँ
6. सी. बी. गैना: तुलनात्मक राजनीति
10. बैल. फाहिद: विदर्श के प्रमुख संबंधों।
11. तुलनात्मक कार्यक्षेत्र: समस्तनात्मक प्रशासनिक व्यवस्थाएँ

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प्रश्न-पत्र I 
: तुलनात्मक प्रशासिक व्यवस्थाएँ

भाग-अ

tुलनात्मक लोक प्रशासन का अर्थ, प्रकृति, शेष व पहलु, तुलनात्मक लोक प्रशासन, अध्ययन के उपाय : संयुक्त राज्य अमेरिका, फ्रांस व नेपाल की भागात्मक प्रशासन। चीन, फ्रांस, संयुक्त राज्य अमेरिका तथा ग्रेट ब्रिटेन के संविधानों के प्रमुख लक्षणों के बारे में।

भाग-ब

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

g्रेट ब्रिटेन, संयुक्त राज्य अमेरिका, फ्रांस व नेपाल की प्रशासनिक व्यवस्थाओं की प्रमुख विशेषताओं, केंद्रीय प्रशासन तथा लोक सेवाओं की प्रकृति एवं भूमिकाओं के विशेष संदर्भ में।

भाग-भ

ब्रिटिश गृह विभाग, ग्रेट ब्रिटेन में गंग्रियंडल सचिवालय, संयुक्त राज्य अमेरिका में स्वतंत्र विचारकीय आयोग, संयुक्त राज्य अमेरिका में गवर्नर का पद, फ्रांस में राजनीतिक स्वीडन का ओमुब्समेन, ब्रिटिश राजकोष।

Core Readings:
3. V.D. Mahajan : Modern Select Governments.
5. शी बी. गैम : तुलनात्मक प्रशासिक व्यवस्थाएँ
6. शी बी. गैम : तुलनात्मक राजनीति
10. बी.टु. परियोजना : विविध के प्रमुख संबंधाओं
11. तुलनात्मक गैम : तुलनात्मक प्रशासिक व्यवस्थाएँ
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


Section - B


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.
of Local Bodies and Gramin Vikas & Panchayati Raj Department.

**Books Recommended:**
1. R. Angel : Municipal Government in India.
2. S.R. Maheswari : Local Government in India.
4. R.L. Khanna : Municipal Government and Administration in India.
5. S.K. Bhogle : Local Government in India.
6. डॉ. एच.बी. शर्मा : भारत में स्थानीय प्रशासन।

**Subsidiary Readings:**
1. S.C. Jain : Community Development and Panchayati Raj.

**Journals:**
1. Nagarlok, Delhi

[Signature]

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प्रश्न-पत्र II : स्थानीय प्रशासन

भाग-अ

आधुनिक राजनीति में स्थानीय स्वाधीनता का अर्थ, प्रकृति तथा महत्व। प्रशासन, पश्चिमकाल तथा आधुनिक भारत में स्थानीय स्वाधीनता का विकास, भारत में स्थानीय स्वाधीनता का संगठनात्मक ढाँचा, विभिन्न प्रकार के स्थानीय निकायों के कार्य, शक्तियाँ तथा भूमिका। पहले पाठ का स्थानीय प्रशासन : ग्राम विधान सभा तथा उनकी राजस्ववता एवं अन्य देशों की समस्याएँ।

भाग-ब

भारत में लोकतांत्रिक विकास-विकास का प्रभुत्व तथा व्यवहार, 73वें संविधान संशोधन के विशेष संदर्भ में पंचायती राज रास्ता : विलायत पंचायत समिति, ग्राम पंचायत तथा ग्राम सभा का संगठन तथा कार्य।

आधुनिक तथा नगरीय सरकारों में सेवानिवृत्त प्रशासन, स्थानीय निकायों में भूमिका, पदार्थविद्या, परिस्थिति, परिवेशक्षण तथा सेवा रूप की समस्याएँ।

भाग-ग

भारत में स्थानीय निकायों का विकास-विकास, स्थानीय समाधानों का पुनर्विकास। स्थानीय निकायों पर राज-नियंत्रण, राज्य तल पर स्थानीय निकायों (ग्रामीण तथा नगरीय) पर नियंत्रण की प्रश्नावली, स्थानीय नियंत्रण, निर्देशात्मक तथा ग्रामीण नियंत्रण एवं पंचायती राज नियंत्रण की भूमिका।

अनुरोधित पुस्तकें :
1. आ.आर. आर्माल : प्लेनसिल गवमेंट इज़ इन्फ्रास्ट्रूक्चर
2. एम.आर. महेश्वरी : भारत में स्थानीय प्रशासन
3. एम.बी. पाठुर : पंचायती राज इन ग्रामराज
4. एम. एल. खट्टर : प्लेनसिल में गवमेंट एड एआर्मिगर्डर्स इन इन्फ्रा
5. एम.ए. बोगले : लोकल गवमेंट इज़ इन्फ्रा
6. डा. एम.सी. शर्मा : भारत में स्थानीय प्रशासन

सहायक पदन सामग्री :
1. एम.बी. जैन : कामुकाडी ह्रेन्स्रीट एड बंजारवाली राज
2. गवमेंट ऑफ गवमेंट : साइटिक अल्टी रिपोर्ट, 1964
3. गवमेंट ऑफ राजस्थान : राजस्थान प्लेनसिल पॉलीटिक एक्ट, 1959 संशोधित
4. देवावल कोर्टी रिपोर्ट, 1963
5. राजस्थान सरकार : राजस्थान पंचायती राज, अधिनियम, 1994
6. बलकच्च राज्य पेपर कोर्टी रिपोर्ट, 1957
7. साइटिक अल्टी कोर्टी रिपोर्ट, 1964

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**DRAWING & PAINTING**

**SCHEME:**

<table>
<thead>
<tr>
<th>Theory Paper I</th>
<th>Duration</th>
<th>M.M.</th>
<th>Min. Pass Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Independence Artists of India</td>
<td>3 hrs.</td>
<td>60</td>
<td>21</td>
</tr>
<tr>
<td>Practical Paper II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part A- Study from Life</td>
<td>5 hrs.</td>
<td>60</td>
<td>22</td>
</tr>
<tr>
<td>Part B-Pictorial Composition</td>
<td>5 hrs.</td>
<td>60</td>
<td>22</td>
</tr>
<tr>
<td>Submission of Practical Works</td>
<td></td>
<td>20</td>
<td>07</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
<td></td>
<td><strong>72</strong></td>
</tr>
</tbody>
</table>

**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 four questions selecting one question from each section. Each answer should be limited in 700-800 words.

**Section – A**


**Section – B**

Indian Sculptors – D.P. Roy Choudhary, Shankhoo Choudhary, Ram Kinkar Baij, Dhanraj Bhagat, Somnath Hore, Balveer Singh Katt, Mrinalini Mukherjee, Meera Mukherjee.

**Section – C**


**Books Recommended:**

1. Art of India (Feeling and Form) - Ajit Mukarjee
2. आधुनिक चित्रकला की पूर्णता - जी.के. अग्रवाल
3. भारतीय चित्रकला के आधार पर - गोदावर सिंहमणि
4. भारत की समकालीन कला – प्राताकाल मानो, नेपाल वा त्रस्त इंडिया, नई दिल्ली, 2006
5. आधुनिक कला कोष – विमोद भद्दाल, वामी प्रकाशन, नई दिल्ली, 2006
6. आधुनिक चित्रकला का इतिहास अधिकार, सांख्यवर्त, राजस्थान दिनांत्र गण्डकी अचाटमी, जयपुर।
7. समकालीन कला - असीम
8. कला विलास - आर.ए. अग्रवाल, डी.एस.ए. डुल्स इंटरनेशनल, नेप्न, 2015

**Paper- II : Study from Life**

Medium – Pencil/Charcol/Soft Pencil
Duration : 5 hrs.
Study from life (full figure) showing broad masses of light and shade, clearly bringing out the modelling of the figure and drapery.

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Paper III: Pictorial Composition

Pictorial Composition in any style with use of minimum three 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

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

Note: Life Model will sit in front of the candidate for four hours with a rest of 10 minutes when required by the model. First session of four hours should be devoted for the study from life. There will be a break of one hour after first session. Second session will be of two hours for practical composition. Both the parts be completed on the same day. The student should be allowed to use any style of composition in the examination.

Submission of Practical work:
(a) Five plates from Life.
(b) Five Plates form Composition.
(c) A Sketch book of not less than 50 sketches
Max. Marks : 20
Min. Pass Marks : 7

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, Khajuraho, 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.

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Sociology

Scheme:

**Min. 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, 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.
Paper I: Sociological Thought

Unit I: Classical Sociological Tradition
   a) Karl Marx: Dialectical Materialism, Class struggle
   b) Emile Durkheim: Social Fact, Division of Labour
   c) Max Weber: Social Action, Types of Authority

Unit II: Contemporary Sociological Tradition
   a) Jurgen Habermas: Legitmatation crisis, Communicative Action
   b) Antonio Gramsci: Hegemony, Civil Society
   c) Anthony Giddens: Modernity, Structure and Agency

Unit III: Indian Sociological Tradition
   a) D.P. Mukherji: Diversity, Dialectics of Tradition
   b) A.R. Desai: Nationalism, Path of development
   c) G.S. Ghurye: Caste, Indian Sadhus

Readings:

1. Original works of scholars

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Paper II: Introducing Sub sociologies

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

Unit II: Sociology of Development
   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:

Scheme of examination: two written papers of 75 marks 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: | 25 |
| PAPER - II | MAX MARKS: | 25 |
| PAPER - III | MAX MARKS: | 20 |
| **Total Marks:** | | 70 |

**PAPER - I TRANSLATION & GRAMMAR**

a) Translate the following passage from French into English

b) Translate the following passage from English into French

© Grammar:
- Present, Past, Future, Imperfect, Post perfect, Conditional, Conditional Past, Gerund, Subjunctive, historic past, Active-passive. Exercises of revision to be done from book prescribed.

**PAPER - II A STUDY OF FRENCH LITERATURE & HISTORY OF FRENCH LITERATURE**

a) Attempt any two of the given four questions on the prescribed novel

b) Attempt two out of the three questions on the prescribed poems

c) Attempt any two out of given two questions on the prescribed

Periods from the History of Literature

**PAPER - III VIVA-VOCE**

Teaching Material/Books:
1. Novel - *Le Petit Prince* - Saint Exupéry
2. Play: *Huys Cloj* - J.P. Sartre
3. Poems: Selected poems by Vigny, V Hugo, Musset, Mallarmé, Lamartine, Bardelairre

- Le Lai: Lamartine
- Demain des l’aube: V. Hugo
- La mort et le bêcheron: La Fontaine
- L’invitation au voyage: Baudelaire
- Le Dormeur du val: Rimbaud
- La mort du loup: Vigny
- L’homme a besoin des pleurs: Musset

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

Movements to be discussed: Romanticism, Realism, Surrealism, Symbolism, le nouveau roman existentialism.

La littérature Française au XX siècle - collection Nathan.

Reference Books:
1. L’histoire de la France - CLE International
2. Les grandes étapes de la littérature Française - Dr. Charles Cadoux
3. la littérature Française - CLE International
4. la Poésie - CLE International
5. le théâtre - CLE International

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University of Rajasthan
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
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
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

<table>
<thead>
<tr>
<th>Stories</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unverhofftes Wiedersehen</td>
<td>Johann Peter Hebel</td>
</tr>
<tr>
<td>Das Brot</td>
<td>Wolfgang Borchert</td>
</tr>
<tr>
<td>Die drei dunklen Könige</td>
<td>Wolfgang Borchert</td>
</tr>
<tr>
<td>Die ungezählte Geliebte</td>
<td>Heinrich Böll</td>
</tr>
</tbody>
</table>

B – Prescribed Poems

<table>
<thead>
<tr>
<th>Poems</th>
<th>Poets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gefunden</td>
<td>Johann Wolfgang von Goethe</td>
</tr>
<tr>
<td>Willkommen und Abschied</td>
<td>Johann Wolfgang von Goethe</td>
</tr>
<tr>
<td>Heidenröseln</td>
<td>Johann Wolfgang von Goethe</td>
</tr>
<tr>
<td>Sehnsucht</td>
<td>Eichendorff</td>
</tr>
<tr>
<td>Die Lorelei</td>
<td>Heinrich Heine</td>
</tr>
<tr>
<td>Im Nebel</td>
<td>Hermann Hesse</td>
</tr>
</tbody>
</table>

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

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Books recommended for the History of Literature:

- Deutsche Literatur in Epochen – B. Baumann / Birgitta Oberle

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

<table>
<thead>
<tr>
<th>Paper</th>
<th>Subjects</th>
<th>Duration of exam</th>
<th>Maximum marks</th>
<th>Minimum marks</th>
<th>No. of hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory Paper V</td>
<td>Mother and Child Care</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td>Practical V</td>
<td>Mother and Child Care</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td>Theory Paper VI</td>
<td>Extension education and</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Practical VI</td>
<td>Extension education and</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Communication*</td>
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<td><strong>Total</strong></td>
<td></td>
<td>200</td>
<td>72</td>
<td>10</td>
</tr>
</tbody>
</table>

*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.

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

<table>
<thead>
<tr>
<th>B.A. PART-III</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTHER AND CHILD CARE (THEORY PAPER V)</td>
</tr>
<tr>
<td>Maximum Marks: 50</td>
</tr>
<tr>
<td>Minimum marks: 18</td>
</tr>
<tr>
<td>Teaching workload: 3 hrs /week</td>
</tr>
<tr>
<td>Total teaching workload: 72 hours/year</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit – I</strong></td>
<td></td>
</tr>
<tr>
<td>Health of the Mother</td>
<td></td>
</tr>
<tr>
<td>1. Menstruation &amp; Fertility:</td>
<td>6</td>
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<tr>
<td>• Normal Menstrual Cycle</td>
<td></td>
</tr>
<tr>
<td>• Process of Reproduction</td>
<td></td>
</tr>
<tr>
<td>2. Pregnancy:</td>
<td>8</td>
</tr>
<tr>
<td>• Sign &amp; Symptoms</td>
<td></td>
</tr>
<tr>
<td>• Use of Pregnancy Kits</td>
<td></td>
</tr>
<tr>
<td>• Signs &amp; Symptoms</td>
<td></td>
</tr>
<tr>
<td>• Common Ailments</td>
<td></td>
</tr>
<tr>
<td>• Abortions – causes &amp; Care of Mother</td>
<td></td>
</tr>
<tr>
<td>3. Health &amp; nutritional care during Pregnancy &amp; lactation:</td>
<td>10</td>
</tr>
<tr>
<td>• Antenatal Care:</td>
<td></td>
</tr>
<tr>
<td>i. Registration of Pregnancy</td>
<td></td>
</tr>
<tr>
<td>ii. Sign &amp; Symptoms of Pregnancy</td>
<td></td>
</tr>
</tbody>
</table>

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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

<table>
<thead>
<tr>
<th>Unit II</th>
<th>Care of New Born</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. New born:</td>
<td></td>
</tr>
<tr>
<td>- Nutritional care of New Born (referring to Integrated Management of Neonatal Childhood illness).</td>
<td></td>
</tr>
<tr>
<td>- Identification of Danger Sign and when to refer</td>
<td></td>
</tr>
<tr>
<td>- Common ailments of newborns and their management-diarrhea, constipation, flatulence, vomiting, colic, malnutrition, napkin rash, umbilical infection, acute respiratory infections</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit III</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Immunization &amp; growth monitoring of infant and young child</td>
<td></td>
</tr>
<tr>
<td>6. Nutritional care of infant &amp; young child (referring to Infant and Young child nutrition guidelines)</td>
<td></td>
</tr>
<tr>
<td>- Infancy</td>
<td></td>
</tr>
<tr>
<td>i. Importance of breastfeeding, early intiation, colostrums</td>
<td></td>
</tr>
<tr>
<td>ii. Exclusive breastfeeding – techniques of breastfeeding</td>
<td></td>
</tr>
<tr>
<td>- Complementary feeding:</td>
<td></td>
</tr>
<tr>
<td>i. Importance of complementary feeding</td>
<td></td>
</tr>
<tr>
<td>ii. Time of introduction</td>
<td></td>
</tr>
<tr>
<td>iii. Technique of complementary feeding</td>
<td></td>
</tr>
<tr>
<td>iv. Points to be considered –FODU (Frequency, Adequacy, Density and Utilization.</td>
<td></td>
</tr>
<tr>
<td>v. Homemade recipes, premixes, from family pot</td>
<td></td>
</tr>
<tr>
<td>7. Use of Mother &amp; Child protection card</td>
<td></td>
</tr>
<tr>
<td>8. Mother and Child Health Nutrition Programme</td>
<td></td>
</tr>
<tr>
<td>- Janani Shishu Suraksha Yojana</td>
<td></td>
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<tr>
<td>- Reproductive and Child Health</td>
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</tr>
</tbody>
</table>

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9. Family Planning
   - Advantages & importance
   - Methods of family planning
   - Abortions-causes & care of mother

References:
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

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
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<tbody>
<tr>
<td>1. Use of Pregnancy kits</td>
<td></td>
</tr>
<tr>
<td>- Safe Days</td>
<td>2</td>
</tr>
<tr>
<td>- Menstrual Hygiene</td>
<td></td>
</tr>
<tr>
<td>- Hygienic use &amp; disposal of Sanitary pads</td>
<td>1</td>
</tr>
<tr>
<td>2. Breastfeeding – Techniques &amp; Posture</td>
<td></td>
</tr>
<tr>
<td>3. Preparation of Complementary foods</td>
<td></td>
</tr>
<tr>
<td>- Premixes</td>
<td></td>
</tr>
<tr>
<td>- Guidelines for consistency for quality, preparing frequency, density &amp; variety premixes.</td>
<td>2</td>
</tr>
<tr>
<td>- Homemade recipes</td>
<td></td>
</tr>
<tr>
<td>- Adaptation from family pot C</td>
<td></td>
</tr>
<tr>
<td>4. Use of Mother &amp; Child Protection Card</td>
<td></td>
</tr>
<tr>
<td>- Registration &amp; personal details</td>
<td>1</td>
</tr>
<tr>
<td>- Antenatal care</td>
<td></td>
</tr>
<tr>
<td>- Danger signs of pregnancy</td>
<td></td>
</tr>
<tr>
<td>- Diet during pregnancy</td>
<td></td>
</tr>
<tr>
<td>- Planning of low cost nutritious recipe for pregnant mother</td>
<td>1</td>
</tr>
<tr>
<td>- Internal care</td>
<td></td>
</tr>
<tr>
<td>- Post antenatal care</td>
<td></td>
</tr>
<tr>
<td>- Checkups planning of low cost nutrition’s recipes for lactating</td>
<td>1</td>
</tr>
</tbody>
</table>

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mother
• Danger signs of new born
• New born care
• Immunization
• Growth monitoring – Demonstration of weighting & measurement of child
• Guidelines for child care

5. Management of Diarrhea
• Skin pinch test for identifying dehydration
• Feeding schedule
• Preparation of oral rehydration solution

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
  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. Polsons
  viii. Heat stroke
• Care in infectious disease
  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
Total Marks: 50 marks
1. Major problem – 20 marks
   Planning and preparation of low cost recipe for any one
   • Pregnant/ Lactating mother
   • Supplementary foods/premixes
2. Minor Problem – 15 marks
   Use of pregnancy kit
   Management of diarrhea, care of infectious disease, use of Mother & child card,
3. Viva voce 5 marks
4. 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 hours/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

<table>
<thead>
<tr>
<th>Unit -I</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension Education</td>
<td></td>
</tr>
<tr>
<td>2. History of Extension Education in India</td>
<td>3</td>
</tr>
<tr>
<td>3. Objectives and principles of Extension Education</td>
<td>4</td>
</tr>
<tr>
<td>4. Role and qualities of extension worker</td>
<td>2</td>
</tr>
<tr>
<td>5. Extension teaching methods - Personal, Group and mass approach</td>
<td>5</td>
</tr>
<tr>
<td>6. Basic knowledge of flagship development programmes of the Government of India in reference to objectives, target groups, activities, organizational structures and financial support</td>
<td>5</td>
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</table>

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

<table>
<thead>
<tr>
<th>UNIT III</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Support structure and functions –</td>
<td>8</td>
</tr>
<tr>
<td>• Panchayati Raj – Concept, objectives, and structural organisation. Role of Panchayati Raj for Women empowerment</td>
<td>8</td>
</tr>
<tr>
<td>• Village organisations – village school, Yuva Mandal, Mahila Mandal, Cooperatives and KVK’s</td>
<td>8</td>
</tr>
<tr>
<td>• Role of UNDP, UNICEF, NIRD, NIPCCD, CSWB</td>
<td>8</td>
</tr>
</tbody>
</table>
References:-
5. हरपालानी जी.डी. 1998 : गृह विज्ञान में प्रसारिशिका, स्टार प्रसार, गंगा, अगरसा
6. शौ, सुमीता पुण्याले और शौ जासोदा शौ जासोदा 2011 : प्रसारिशिका की विविध पुस्तकालय, अगरसा-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:

<table>
<thead>
<tr>
<th>Step of Event Management</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Making a paper plan</td>
<td>1</td>
</tr>
<tr>
<td>• Guest List</td>
<td></td>
</tr>
<tr>
<td>• Making / Drafting / Finalizing/ Invitation Card</td>
<td>1</td>
</tr>
<tr>
<td>• Infrastructure</td>
<td></td>
</tr>
<tr>
<td>i. Tents</td>
<td></td>
</tr>
<tr>
<td>ii. Furniture and Furnishing for areas:</td>
<td></td>
</tr>
<tr>
<td>o Reception,</td>
<td></td>
</tr>
<tr>
<td>o DJs / Music,</td>
<td></td>
</tr>
</tbody>
</table>
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
6. Budget under different heads (Market survey can be done)
   • Food
   • Decoration
   • Invitation
   • Gifts
   • Transportation and communication
   • Games
   • Infrastructure tents, furniture, furnishing, etc.
   • DJ's / Music
   • Time schedule for major activities
   • Implementation of various activities.
i. Finding out a leader and making groups
ii. Work distribution among group members
7. Controlling the event activities
8. Feedback /evaluation
9. Variation in events in a family
   • Religious events
   • Entertainment and recreational events
   • Picnics, Other parties and events
   • College events: Fresher’s day, Farewell, Annual function
10. Class rooms presentation

Note: Students will participate in events of institution.

Examination scheme

<table>
<thead>
<tr>
<th>Total Marks: 50 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Major Problem-- 25 marks.</td>
</tr>
<tr>
<td>Making a party plan for any specific party.</td>
</tr>
<tr>
<td>Planning budget for the party in the specific amount</td>
</tr>
<tr>
<td>3. Internal – 10 marks</td>
</tr>
</tbody>
</table>

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# 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.

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
</table>
| **Activities:**  
(A) Classroom/Lab activities :  
1. Introduction to Nutrition Education: Definition, importance related topics, approaches (Individual, group mass), methods, and Teaching aids. | 2 |
| 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.  
- Every group will prepare a minimum of 3 teaching aids. (Posters / chart/ demonstration/flash cards/role play etc.) | 3 |
| 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** | 10 |
| The students will implement every activity as per the activity calendar.  
(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. | 2 |

## 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.
- 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.

**Examination scheme:**

- Total Marks: 50 marks
  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.

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Theory of Preservation: Need, importance, principles of food spoilage, principle of food preservation, various methods of food preservation</td>
<td>2</td>
</tr>
<tr>
<td>2. Development of skills in preparation of:</td>
<td>1</td>
</tr>
<tr>
<td>- Dried fruits and vegetables</td>
<td></td>
</tr>
<tr>
<td>i. Sun drying (Curry leaves, mint, methi, coriander, cauliflower, amla, kair-sangri, guar-fali, amchur, onion, peas, kachri, red chillis)</td>
<td></td>
</tr>
<tr>
<td>ii. Papad &amp; Magodi</td>
<td></td>
</tr>
</tbody>
</table>
- Juices
  i. Aloe Vera
  ii. Squashes
  iii. Lemon
  iv. Orange
  v. Pineapple
- Syrups
  i. Rose
  ii. Khas
  iii. Chandan
  iv. Jellies
  v. Karonda
- Jams
  i. Apple
  ii. Mixed fruit
  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
  iii. Cauliflower
  iv. Frozen vegetables
     - Peas
     - Carrots
     - Cauliflower
     - Mango Pulp
- Pastes & Purees
  i. Onion
  ii. Garlic
  iii. Ginger
  iv. Tomato puree
- Pickles
  i. Mango
  ii. Mix Vegetables
  iii. Kair
  iv. Lasoda
v. Chilli
vi. Lemon

- 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:

<table>
<thead>
<tr>
<th>Total Marks: 50 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Major problem: 25 marks</td>
</tr>
<tr>
<td>Planning and preparation of any one preserved food.</td>
</tr>
<tr>
<td>2. Minor problem: 15 marks</td>
</tr>
<tr>
<td>Calculation of selling price of a given product.</td>
</tr>
<tr>
<td>3. Internal: 10 marks</td>
</tr>
</tbody>
</table>

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 Education Centres i.e. Crèches, Preschools and day care centres.

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Pre-Requisites:</td>
<td></td>
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</tbody>
</table>

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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
  
- Characteristics and qualifications of an early childhood educator.
  
- Developing communication skills in dealing with young children.
  
- Working in crèches, preschool and day care centres to develop administrative, managerial and supervisory skills in students.
  
- Administration, management and supervision of crèches, preschool and day care centres.
  
- Planning and implementing developmentally appropriate activities in crèches, preschool and day care centres.

**Examination scheme:**

<table>
<thead>
<tr>
<th>Total Marks: 50 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Major Problem : 25 marks</td>
</tr>
<tr>
<td>Planning and preparation of ECE activities in preschools and day care centres.</td>
</tr>
<tr>
<td>Evaluation of crèches, preschool and day care centres.</td>
</tr>
<tr>
<td>2. Minor Problem : 15 marks</td>
</tr>
<tr>
<td>Preparation of teaching aids – story books, songs poems, models, toys, aids etc.</td>
</tr>
<tr>
<td>3. Internal : 10 marks</td>
</tr>
</tbody>
</table>

**DYEING AND PRINTING**

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

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make a scrap book with following</td>
<td></td>
</tr>
<tr>
<td>1. Different types of motifs</td>
<td>4</td>
</tr>
<tr>
<td>- Floral – Natural and stylized</td>
<td></td>
</tr>
<tr>
<td>- Human - Natural and stylized</td>
<td></td>
</tr>
<tr>
<td>- Animal - Natural and stylized</td>
<td></td>
</tr>
</tbody>
</table>
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 –
     - 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)

Make any one Product – Table mat / 'T' shirt /Cushion cover

Examination scheme:

<table>
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<th>Total Marks: 50 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Major Problem -25 Marks</td>
</tr>
<tr>
<td>Make a design for a product by combining any two techniques e.g. tie and dye, block and screen.</td>
</tr>
<tr>
<td>2. Minor Problem -15 Marks</td>
</tr>
<tr>
<td>Make a sample of tie and dye using two colors and two techniques</td>
</tr>
<tr>
<td>3. Internal Marks -10 Marks</td>
</tr>
</tbody>
</table>

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.

| Theoretical understanding of process of programme/extension activity management. |
| Workshop/seminar |
| Fair |
| Exhibition |
| Rally |
| could be taken up in rural/urban/slum community in a group on the basis of |

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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

<table>
<thead>
<tr>
<th>Examination scheme:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Marks: 50 marks</td>
</tr>
<tr>
<td>1. <strong>Major Problem</strong>: 20 Marks</td>
</tr>
<tr>
<td>Plan strategy to publicise the chosen extension activity and prepare any one aid out of them.</td>
</tr>
<tr>
<td>2. <strong>Minor Problem</strong>: 15 Marks</td>
</tr>
<tr>
<td>Prepare financial budget for the planned activity or prepare scheduling of activities according to allotted time.</td>
</tr>
<tr>
<td>3. <strong>Viva</strong>: 5 Marks</td>
</tr>
<tr>
<td>4. <strong>Internal</strong>: 10 Marks</td>
</tr>
</tbody>
</table>

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Teaching: 3 Hours per Week per Theory Paper.

Examination:

<table>
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<tr>
<th>Scheme</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
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</thead>
<tbody>
<tr>
<td>Science</td>
<td>54</td>
<td>150</td>
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<tr>
<td>Arts</td>
<td>72</td>
<td>200</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Paper I</th>
<th>Algebra</th>
<th>Duration</th>
<th>Max. Marks</th>
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</thead>
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<tr>
<td></td>
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<td>3 hrs.</td>
<td>50 (Science)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>66 (Arts)</td>
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</table>

<table>
<thead>
<tr>
<th>Paper II</th>
<th>Complex Analysis</th>
<th>Duration</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3 hrs.</td>
<td>50 (Science)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>66 (Arts)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Paper III</th>
<th>Dynamics and Computer Programming in C</th>
<th>Theory 2½ hrs.</th>
<th>Max. Marks</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>32 (Science)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>44 (Arts)</td>
</tr>
</tbody>
</table>

|                 | Practical 2 hrs. | 18 (Science) | 24 (Arts) |

Note:

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

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

3. Common paper will be set for both the Faculties of Social Science and Science. However, the marks obtained by the candidate in the case of Faculty of Social Science will be converted according to the ratio of the maximum marks of the papers in the two Faculties.

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

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

6. Each candidate has to pass in Theory and Practical examinations separately.
Paper I: Algebra
Teaching: 3 Hours per Week
Duration of Examination: 3 Hours
Max. Marks: 50 (Science)
66 (Arts)

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

Unit 1: 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.


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

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


Unit 5: Conformal mapping. Bilinear transformation and its properties. Elementary mappings: \( w(z) = \frac{1}{2} \left( \frac{z + \frac{1}{z}}{z - \frac{1}{z}} \right), z^2, e^z, \sin z, \cos z, \text{and } \log z. \) Evaluation of a real definite integral by contour integration. Analytic continuation. Power series method of analytic continuation.

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

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

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

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


Unit 4: 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.
Practical:
Teaching: 2 Hours per Week per Batch
(20 Candidates in each Batch)

<table>
<thead>
<tr>
<th>Examination</th>
<th>Duration: 2 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scheme</td>
<td>Science</td>
</tr>
<tr>
<td>Max.Marks</td>
<td>18</td>
</tr>
<tr>
<td>Min.Pass Marks</td>
<td>06</td>
</tr>
</tbody>
</table>

Distribution of Marks:

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

The paper will contain TWO practicals. The candidates are required to attempt any two practicals.

Programming in C and execution for the result of
1. Solution of linear algebraic equations by Gauss elimination method
2. Solution of algebraic and transcendental equations by Bisection, False position and Newton – Raphson Methods
3. Solution of ordinary differential equations by Euler’s and Runge-Kutta 4th order method
4. Numerical integration by Trapezoidal and Simpson’s one third rule

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

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Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
<table>
<thead>
<tr>
<th>Scheme</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>72</td>
<td>200</td>
</tr>
<tr>
<td>Science</td>
<td>54</td>
<td>150</td>
</tr>
<tr>
<td>Paper-I</td>
<td>3 hours duration</td>
<td>Arts 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 75</td>
</tr>
<tr>
<td>Paper-II</td>
<td>3 hours duration</td>
<td>Arts 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 75</td>
</tr>
</tbody>
</table>

**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 at least 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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JAIPUR
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 I: Introduction to International Trade, Development and Public Economics

Section - A


Section B

Section - C


Books Recommended:


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.

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:

2. RGD Allen, Mathematical Economics, McMillan

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JAIPUR
Paper -II (b): Environmental Economics

Section -A


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, Johannesburg, Agenda 21, OECD Environmental Committee Report, Kyoto, Convention on Biodiversity, Paris Climatic Conventions; Environmental Governance in India; WTO and Environment.

Recommended Books:

Paper –II (C): Economy of Rajasthan

Section-A


Section- B


Section- C


Books and Readings:

1. लक्ष्मीनारायण नागूरामकर, राजस्थान की अर्थशास्त्र, रमेश बुक हिपो, जयपुर
2. Economic Review, Directorate of Economics and Statistics, Jaipur

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
B.A./B.Sc. (Pass Course) Part-III Geography Examination 2017 onwards

Scheme of Examination

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts/Social Science</td>
<td>72</td>
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<td>Science</td>
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<td>Geography of Asia</td>
<td>Arts 75</td>
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<tr>
<td></td>
<td></td>
<td>Science 50</td>
</tr>
<tr>
<td>Paper II</td>
<td>Geography of India</td>
<td>Arts 75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 50</td>
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<tr>
<td>Practical</td>
<td>18</td>
<td>Arts 50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 50</td>
</tr>
</tbody>
</table>

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.

[Signature]
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University of Rajasthan
JAIPUR
SYLLABUS

Paper I: Geography of Asia

Section A

Asia in the context of the world, geological structure, relief, drainage system, climate and climatic regions based on Koppen and Thronthwaite. Natural vegetation and soil regions, population: distribution, density and growth; trends of urbanization.

Section B

Agriculture: main characteristics and problems of Asian agricultural; distribution and production of major crops: rice, wheat, cotton, tea, coffee, sugarcane, rubber; problems and solutions of Asian agriculture, fisheries: distribution and production; mineral resources: distribution, deposits and production of iron ore, copper, mica, aluminium; power resources: distribution, deposits and production of coal, petroleum and natural gas. Industries: distribution and production iron and steel industry, cotton textile and paper industry; transport network and international trade in Asia.

Section C

Regional geography of Japan, China, Pakistan, Turkey and Indonesia in terms of physiography, climate, drainose pattern, soils, vegetation, minerals, agriculture, industry, human resources, trade, commerce and major geographical regions.

Recommended Readings:

मोहिरिया एवं अग्रवाल 2012: एशिया का भूगोल। साहित्य भवन, आगरा।
जाब, बी.पी. एवं सतपथि, डी.पी. 2002: एशिया की भौगोलिक समीक्षा। वसुचर प्रकाशन, गोरखपुर।
सतपथि, डी.पी. 1995: चीन की भौगोलिक समीक्षा। वसुचर प्रकाशन, गोरखपुर।
संसौन, एच.एम. 2010–11: विश्व का प्रादेशिक भूगोल। संसौन प्रकाशन, मेरठ।

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 climate 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:

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

गुरजर, आर.के. एवं जाट, वी.सी. 2013: भारत का पृथ्वी, पंचवीं प्रकाशन, जयपुर।

Khullar, D.R. 2006. India a comprehensive Geography; Kalyani Publishers, New Delhi मानोरिया, छी. 1999: आधुनिक भारत का दृष्टि पृथीवी दिशा, साहित्य भवन पत्रिकेशाल, आगरा।


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

विवाद, आर.सी. 2012: भारत का पृथ्वी प्रयाग पुस्तक भवन, इलाहाबाद।

Practicals

Scheme of Examination

Min. Pass Marks: 18

<table>
<thead>
<tr>
<th>Bifurcation of Marks</th>
<th>Max. Marks: 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written test</td>
<td>24</td>
</tr>
<tr>
<td>Field survey and viva voce</td>
<td>10+04</td>
</tr>
<tr>
<td>Record and viva voce</td>
<td>08+04</td>
</tr>
<tr>
<td>Time</td>
<td>3 hrs.</td>
</tr>
<tr>
<td></td>
<td>2 1/2 hrs.</td>
</tr>
</tbody>
</table>

Registrar (Acad.)
N.B. 1. 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:

चौहान, पी.आर. 2005: प्रायोगिक भूगोल। वसुन्धर प्रकाशन, गोरखपुर।
Singh, L.R. 2006: Practical Geography. Prayag Pustak Publisher, Allahabad U.P.

शर्मा, जे.पी. 2010–11: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी प्रकाशन, मेरठ।

Dy. Registrar (Acad.)
## SYLLABUS
FOR
B.Sc./B.A. Pt-III  Exam 2017

**Subject: Statistics**

<table>
<thead>
<tr>
<th>Marks Scheme</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper I</td>
<td>Nomenclature</td>
<td>Sample Survey</td>
</tr>
<tr>
<td>Paper II</td>
<td>Design of Experiment and Computational Techniques</td>
<td>50 mark</td>
</tr>
<tr>
<td>Paper III</td>
<td>Practical based on Paper I,II</td>
<td>50 mark</td>
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<tr>
<td><strong>Total</strong></td>
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**Marks**

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<thead>
<tr>
<th></th>
<th>Science</th>
<th>Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>150</td>
<td>200</td>
</tr>
</tbody>
</table>

**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.

[Signature]

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JAIPUR
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


REFERENCES:


ADDITIONAL REFERENCES:

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, Critical 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 disadvantages & 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, Compiler, Assembler, Memory- RAM, ROM, unit of computer memory (bits, bytes etc.).

Unit-V

REFERENCES:
1. Das M.N. & Giri N.C. (1986). Design and Analysis of Experiments. Springer Verlag
ADDITIONAL REFERENCES

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JAI PUR
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, \( E(S^2) = S^2 \) 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.
7. Analysis of one way classification (CRD).
8. Analysis of two way classification (RBD).
9. Analysis of LSD.
10. Efficiency of RBD over CRD.
11. Efficiency of LSD over CRD & RBD.
12. Analysis of \( 2^2 \) & \( 2^3 \) factorial design.
20 Applied Statistics

SYLLABUS
FOR
B.Sc./B.A. Pt-III - Exam 2017

Subject: Applied Statistics

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nomenclature</th>
<th>Science</th>
<th>Arts</th>
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<tbody>
<tr>
<td>Paper I</td>
<td>Sample Survey</td>
<td>50 mark</td>
<td>65 marks</td>
</tr>
<tr>
<td>Paper II</td>
<td>Design of Experiment and Computational Techniques</td>
<td>50 mark</td>
<td>65 marks</td>
</tr>
<tr>
<td>Paper III</td>
<td>Practical based on Paper I,II</td>
<td>50 mark</td>
<td>70 marks</td>
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<td>Total</td>
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<td>150</td>
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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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JAIPUR
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)
B.A./B.Sc. Pass Course Part-III

SCHEME OF EXAMINATION:

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Max. Marks</th>
<th>Min. Passing Marks</th>
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<tbody>
<tr>
<td>Arts</td>
<td>200</td>
<td>72 (Th.54 Pr.18)</td>
</tr>
<tr>
<td>Science</td>
<td>150</td>
<td>54 (Th.36 Pr.18)</td>
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<table>
<thead>
<tr>
<th>Paper</th>
<th>Nomenclature</th>
<th>Duration</th>
<th>Max. Marks</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Arts</td>
</tr>
<tr>
<td>I</td>
<td>Positive Psychology</td>
<td>3 Hrs.</td>
<td>75</td>
</tr>
<tr>
<td>II</td>
<td>Psychological Testing and Assessment</td>
<td>3 Hrs.</td>
<td>75</td>
</tr>
<tr>
<td>III</td>
<td>Practicals</td>
<td>3 Hrs.</td>
<td>50</td>
</tr>
</tbody>
</table>

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.

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University of Rajasthan
Jaipur
For clarification the distribution of marks is tabulated as below:

<table>
<thead>
<tr>
<th>ARTS</th>
<th>Section</th>
<th>No. of Questions</th>
<th>Marks</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10</td>
<td>1.5</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>5 (Out of 7)</td>
<td>03</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>3 (with internal choice)</td>
<td>15</td>
<td>45</td>
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<tr>
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<td>Total Marks</td>
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<table>
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<tr>
<th>SCIENCE</th>
<th>Section</th>
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<tr>
<td>A</td>
<td>10</td>
<td>01</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>5 (Out of 7)</td>
<td>02</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>3 (with internal choice)</td>
<td>10</td>
<td>30</td>
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</tr>
<tr>
<td></td>
<td>Total Marks</td>
<td></td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

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.

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.


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.


Books Recommended:


Paper-II:

Psychological Testing and Assessment

Section-A

1. Human Assessment: Nature and Scope


Section-B

4. Reliability: Meaning, Types and Methods of Calculating Reliability.

5. Validity: Meaning, Types and Methods of Calculating Validity.


Section-C


Books Recommended:


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

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## 29. TEXTILE-CRAFT

**Scheme:** BA/BSc/BCom Part-III

<table>
<thead>
<tr>
<th></th>
<th>Duration</th>
<th>Max mark</th>
<th>Min mark</th>
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<tbody>
<tr>
<td>1. Theory</td>
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<tr>
<td>Paper-I</td>
<td>3 Hrs</td>
<td>30</td>
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<td>Paper-II</td>
<td>3 Hrs</td>
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<td>2. Practical</td>
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<td>Paper-II</td>
<td>6 Hrs</td>
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<td>3. Submission</td>
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<tr>
<td>Paper-II</td>
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</table>

**Syllabus (Theory):**

**Paper-I:** *Weaving Theory:*

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

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4. 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

5. Spinning of Silk and Wool
   Life cycle of silk worm, process of silk spinning, different types of silk.
   Classification of wool, wool spinning process, difference between woollen and worsted fabric

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

7. Derivatives of Twill weave: Broken weave, Herringbone weave and Diamond weave

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

9. Concept of shedding mechanism; Dobby and Jacquard shedding mechanism

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Paper-II: Dyeing Theory

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.

4. Different stages of dyeing- fibre dyeing, yarn dyeing and fabric dyeing

5. Process of Padding mangle dyeing machine

6. Methods of direct printing: Screen printing and Stencil printing

7. Discharge and Resist printing; different styles of discharge and resist printing

8. Factors affecting colour fastness: composition of fibre, chemical structure of dye, techniques of dyeing/printing, addition of other useful additives

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Practical (Paper-I&II):

1. Samples of weaves using coloured threads
2. Concept of repeat
3. Calculation of EPI and PPI in given piece of fabric
4. Table cover preparation by screen printing
5. Screen preparation (simple tracing method)
6. Design development for curtain and bed sheet
23. INVESTIGATIVE BIO-TECHNOLOGY

Scheme:
Paper—I Theory 3 Hrs. Duration 40 Marks

Paper—I Field Work and Practical Experience
Practical 40 Marks

8 Hrs. Duration in two days.

Min. Pass Marks 15

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) Plasmodia
(v) Laisamania (vi) Tenia
(vii) Trichiaris (viii) Anchyllostoma
(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.
7. Detection of Insecticides (Organo Phosphorus, Organo Chloro and Carbomates).
8. Detection of Plant Poisons (Alkaloidal and Clycosital)
10. Screening test for common poisons. (Literature 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.
Paper—II : Field Work and Practical Experience

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

Paper-II Field work and Practical Experience  40 Marks
Practical  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 at least 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 examiner.

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 exuâlaes for rungal examination.
3. Preparation and stains used for identification of fungi.
4. Demonstration of bacteriology of water, milk and food.

Unit-II : Protozoology
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 helminthic intestine.
4. Demonstration of various Helminthic ova.
5. Examination of water for cyclopes.

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.)
5. C.R.P. (C. reactive Proteins)

**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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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.
ii. labels and motifs

iii. linings and interlinings

iv. face, braids, elastics

v. fasteners, loops

vi. seam binding and tapes

vii. shoulder pads, eyelets

SECTION-C

DYEING AND PRINTING

Application of design:


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

10. Dyeing – Introduction to natural and synthetic dyes

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


References:


PAPER-II

INTERNATIONAL MARKETING

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

PRACTICAL – 1

FASHION ILLUSTRATIONS

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

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 plaid
   iv) Floral

5. Design and prepare an adult dress for fashion shows
B.A./B.COM.-M.M. 60
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:

2. Ireland, fashion designing drawing and presentation.
3. Prayag: technology of textile printing.

Shenai: technology of dyeing
26. राजस्थानी

इसमें दो प्रश्न-पत्र होंगे:
प्रथम—प्राचीन राजस्थानी साहित्य एवं निबंध
द्वितीय—राजस्थानी भाषा तथा राजस्थानी साहित्य का इतिहास

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

प्रथम पत्र : प्राचीन राजस्थानी साहित्य एवं निबंध:
(क) एक प्रश्न व्याख्या से संबंधित (कुल दो व्याख्याएँ) 2 × 16 = 32
(ख) दो प्रश्न-प्रत्येक पुस्तक पर एक-एक आलोचनात्मक प्रश्न 2 × 20 = 40
(ग) एक प्रश्न निबंध 1 × 28 = 28

निबंध अनिवार्यत : राजस्थानी भाषा में लिखा होगा।
यह राजस्थानी भाषा के किसी भी क्षेत्रीय रूप में लिखा जा सकता है।

पाठ्य पुस्तकें:
1. राजस्थानी साहित्य संग्रह, भाग प्रथम, समपादक-नरेंद्र दास स्वामी, राजस्थान प्राच्य विद्या प्रतिष्ठान, जोधपुर।
(इस संग्रह में संकलित खौफ़ी गंगेश नींबाबू रो दोपहरी की छोटा शेष अंक गया होगा)

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 परिपार, अगरचंद नाहटा, भारतीय विद्या मंदिर रोध प्रतिष्ठान, बीकानेर।
2. ढोला मारू रा दूहा—डॉ. शंभूसिंह मनोहर। स्टूडेंट्स बुक कंपनी, चौड़ा रास्ता, जयपुर।

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

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

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

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(क) राजस्थानी भाषा से संबंधित राजस्थानी भाषा का उद्धव और विकास
राजस्थानी की विशेषताएं-राजस्थानी की विभिन्न बोलियाँ, उनकी विशेषताएं, उनके
क्षेत्र, हिंदू-पिण्डल हिंदी और राजस्थानी।
(ख) राजस्थानी साहित्य के इतिहास से संबंधित-काल विभाजन-आरम्भिक काल,
मध्य काल तथा आधुनिक काल, इन कालों की प्रमुख प्रवृत्तियाँ, काव्य धाराएं, गद्य
विधाएं, प्रमुख रचनाएं और रचयिता। राजस्थानी लोक साहित्य का सामान्य परिचय।
सन्दर्भ ग्रंथ:
1. पुरातन राजस्थानी-डॉ. टैसीटरी, अनुवादक-डॉ. नामवरसिंह, नागरी प्रचारिणी सभा,
वाराणसी।
2. राजस्थानी भाषा, डॉ. सुनीतिकुमार चटर्जी, साहित्य संस्थान, उदयपुर।
3. राजस्थान का भाषा संवेदन, जार्ज प्रेसेंस अनुवादक डॉ. आलमाक माजोदिया
राजस्थानी भाषा प्रचार समा बनीपार्क, जयपुर।
4. राजस्थानी भाषा और साहित्य—डॉ. मोतीलाल मेनारिया, हिंदी साहित्य सम्मेलन,
प्रवाण।
5. राजस्थान का पिंगल साहित्य—डॉ. मोतीलाल मेनारिया, हिैथुम पुस्तक भन्डार,
उदयपुर।
6. आधुनिक राजस्थानी साहित्य प्रेसंग घोट और प्रवृत्तियाँ—डॉ. किरण नाहटा, चिन्मय
प्रकाशन, चौड़ा रास्ता, जयपुर।
7. राजस्थान का लोक साहित्य, नानूग संस्कृत, रूपायन संस्थान, बोलूदा (जोधपुर)।
26. SHEEP AND WOOL

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

Scheme:

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<tr>
<td>Min. Pass Marks</td>
<td>Theory 48</td>
<td>Max. Theory 132</td>
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<tr>
<td>Min. Pass Mark</td>
<td>Practical 24</td>
<td>Max. Practical 68</td>
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<td>Paper-I</td>
<td>3 Hrs. Duration</td>
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<td>Paper-II</td>
<td>3 Hrs. Duration</td>
<td>66 Marks</td>
</tr>
<tr>
<td>Practical</td>
<td>4 Hrs. Duration</td>
<td>68 Marks</td>
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Syllabus:

**Paper—I: Wool Grading and Processing:**

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

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 abattoires 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)
28. LIVESTOCK & DAIRYING

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

Scheme:

Min. Pass Marks: Theory 48

Max. Theory 132 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 skinning, types of skin, its preservation, tanning, dyeing uses, various products of skin.
3. Horns, hoofs, Bonnes, intestines—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 manures.
7. Milk by-Products skim milk, ghee, butter milk and their uses, manufacture of elaeisin.

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 enterprise combinations, comparative advantage.
4. Profit/Efficiency measures, measures on a dairy farm-Gross income, net income, return to factor of production as labour income, return to capital, return to management, etc. Efficiency measures for Labour, capital, Livestock production index. Economics of dairy farm vis-a-vis, mixed 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 Livestock 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.


Practicals:

4 Hrs. Duration 68 Marks

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

2. Preservation of skin.


4. Preparation of decorative items from horns and hoofs.

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


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.

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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


Lists of Books


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Paper-II Society and Culture in India

UNIT-I

Characteristics of Indian Culture: Purushartha, Varsha, Varanastha, Ashram, Pravastha, 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. 2000. भारतीय समाज, जयपुर, रावत पब्लिकेशन्स।

श्रीमंत सिंह 2006. भारतीय परम्परा का आधुनिकीकरण, रावत पब्लिकेशन्स जयपुर, अनुवादक अरविन्द कुमार

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29. DRAMATICS

(Revised Syllabus)

Paper-I Western and Oriental Acting Theories - Theory
Duration - 3 Hours    Max. Marks- 50  Min. Pass Marks - 18

I. Study of acting styles in:
   a. Greek Theatre with reference to Sophoclese
   b. Elizabethan Theatre with reference to Shakespeare
   c. Renaissance Theatre with reference to Mollier
   d. Realistic Theatre

II. Selective study of Poetics

III. Study of Stanislavski and Method Acting

IV. Study of Acting in Epic Theatre of Brecht

V. Study of Oriental theatre with reference to Japanese Kabuki, Noh and Bunrako

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

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

Paper-I : Scene Designing:
   b. Definition and study of basic Principles of Scene Designing.
   c. Study of Conventions of Natyashalas un Natyasastra.
   d. Functions and Different Forms of Scenery.
   e. Study of the Process of the Scene Construction

Paper—I : Acting Practical:
Max. Marks : 50       Min. Marks 18       Duration 4 hrs.
   a. Enactment and Dramatic narration of observations.
   b. Practical Study of Class gestures, Master gestures and their importance.
c. Street Plays and Group Improvisations.
d. Participation in production of any one the play prescribed in the Paper-I.
e. Submission of Workbook and Assignments.

Paper—II : Scene Designing

Practical
Max. Marks : 50 Min. Marks 18 Duration 4 hrs.
(a) Cross Section of Theatre Building.
(b) Rough Sketches and Mechanical Drawing such as Plans Elevations. Working drawings, Cross Sections, Isometric, Orthographic and Perspective Drawings.
(c) Model making of a Set.
(d) Submission of Workbook and Assignments

Books Recommended:

Paper-I : Acting
1. Building a Character, K. Stanislavsky.
2. Creating a Role, K. Stanislavsky.
3. Hindi Abhinav Bharti, Vishweshar.
4. Brech on theatre (Selected chapters) Tr. John Willet.

Paper-II : Scene Designing
1. Designing and Painting for Theater Lynn, Pecktel.
2. Sceneriology and Stage Technology, W.F. Bellman.

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**VOCATIONAL SUBJECTS**

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

<table>
<thead>
<tr>
<th>Paper-I</th>
<th>Computer Aided Drafting</th>
<th>50</th>
<th>65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper-II</td>
<td>Advanced Topics in Computers</td>
<td>50</td>
<td>65</td>
</tr>
<tr>
<td>Paper-III</td>
<td>Report, Report on the Job training and entrepreneurship, Development</td>
<td>50</td>
<td>70</td>
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<tr>
<td>Practical</td>
<td>Programming Laboratory</td>
<td>50</td>
<td>70</td>
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<tr>
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<td>On-the-job training 4 weeks</td>
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<td>The duration of these paper will be 3 hours</td>
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[Signature]
Paper-I
COMPUTER AIDED DRAFTING
Introduction to AUTOCAD/ROBOCAD or a similar package. Advanced features of these package. Drawing the plan of a building using AUTOCAD etc. Analysis features of AUTOCAD.

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

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

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

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

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Max. Marks</th>
<th>Min. Pass Marks</th>
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<tbody>
<tr>
<td>1. Practical Paper I 5 Hrs. Duration</td>
<td>70</td>
<td>25</td>
</tr>
<tr>
<td>2. Practical Paper II 5 Hrs. Duration</td>
<td>70</td>
<td>25</td>
</tr>
<tr>
<td>3. Submission</td>
<td>60</td>
<td>22</td>
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<td>220</td>
<td>72</td>
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### Syllabus

**Paper I practical 5 Hrs. Duration**

<table>
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<tr>
<th>Max. Marks</th>
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<tbody>
<tr>
<td>70</td>
<td>25</td>
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</table>

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

**Paper II practical 5 Hrs. Duration**

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<tr>
<th>Max. Marks</th>
<th>Min. Pass Marks</th>
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### Woodwork

- a) Fabrication of toys, sculptures
- b) Furniture

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

Note (1): Submission work will be submitted to the head of the departments of Rural Handicrafts of the college 15 days before the commencements of examination. The marks in the submission will be awarded by the subject teacher (Internal). However, the external examiner shall be empowered to review the work of submission in case there is a 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 at least two questions from each unit. Candidates are required to attempt five questions in all taking at least 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 load
       (i) Causes
       (ii) Symptoms

Unit 2

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

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

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

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

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

Unit 3
(a) Technique tactic & Planning
   (i) Meaning
   (ii) Definition of skill
   (iii) Techniques and Technical training
   (iv) Characteristics of Techniques
   (v) Aims of Techniques
   (vi) Methods of Technique Training
   (vii) Causes and Correction of Faults

(b) Tactics
   (i) Meaning
   (ii) Principles of Tactical Preparation
   (iii) Training Process

(c) Planning: Principle of planning, type of planning
(d) Physical fitness & their effect

Unit 4

Unit 5
Psycho-Sociological aspects of Sports Training.

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(a) Competition
   (i) Functions of Competition
   (ii) Competition Frequency
   (iii) Preparation for Competition
   (Psychological preparation)
(b) Role of Motivation in Sports.
(c) Leadership in Sports Book
(d) Group behaviour in Sports Book
(e) Audience and Sports Performance

Reference Books (Third year)
10. Davis R.J. Ball, C.R. Rescee J.V., Roscoc D.A.
    Physical Education and the Study of Sports Wolfo publishing Ltd.

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

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

B. Specialization Record book

II. Any one has to be opted:

(A) Secondary game
   (a) Secondary game
      (i) Basketball
      (ii) Volleyball
      (iii) Handball
      (iv) Hockey
      (v) Cricket
      (vi) Football
   (b) Track and field (Heptathlon)
      (i) High jump
      (ii) Shotput
      (iii) 200 mt.
      (iv) Long jump
      (v) Javelin
      (vi) 800 mt.

(B) Racket game - Badminton

(C) Yoga Asanas

The scheme of Examination B.A. Part-I, II and III in Physical Education subject laid down as per University other optional subjects.

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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 relationship with Physical health.

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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 sportsmen, adverse effects of tobacco, alcohol and intoxicating drugs.

Unit-IV
Need and importance of personal hygiene, environmental hygiene, food hygiene, 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:

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13. अन्य सिध्द व अन्य शारीरिक सिध्द स्वास्थ्य एवं खेलों की आच्छादनिक पाठ्यपुस्तक (वी.ए. 1): कल्याणी प्रकाशकांत लुप्तिपण.
14. अन्य सिध्द व अन्य शारीरिक सिध्द स्वास्थ्य एवं खेलों की आच्छादनिक पाठ्यपुस्तक (वी.ए. पार्ट 1 व 3): कल्याणी प्रकाशकांत लुप्तिपण.
15. मोहनदास खड़िया और दीक्षित ए.के.: शारीरिक सिध्दा का प्रवर्तन: स्वास्थ्य रत्न रेटेल क्षेत्र शारीरिक सिध्दांत.
16. मोहनदास खड़िया और दीक्षित ए.के.: शारीरिक सिध्दा का प्रवर्तन: स्वास्थ्य रत्न रेटेल क्षेत्र शारीरिक सिध्दांत.
17. पाण्डूर नरेंद्र: शारीरिक सिध्दा की परिषद: मेट्रोपोलिटन कुश नं: प्रा. रिट., नई दिल्ली.
18. सिद्धांत अयोध्या कुमार: शारीरिक सिध्दा कल्याणी, मनोविज्ञान एवं इथिहास: श्रीयोग खड़ियांस वर्गस्तुल.
19. रामचन्द्र ए. एल. और मनोहर एल सिद्धा: शारीरिक सिध्दा, स्वास्थ्य रतन, स्वास्थ्य रतन, शारीरिक चिकित्सा एवं आधार: श्रीयोग खड़ियांस वर्गस्तुल.
20. कमलेश और शांति: शारीरिक सिध्दा का प्रवर्तन व इथिहास: प्रकाश इवर क्षेत्र शारीरिक सिध्दांत.
21. कैथ्रिन राजेन्द्र प्रसाद: शारीरिक सिध्दा का प्रवर्तन व इथिहास: श्रीयोग खड़ियांस वर्गस्तुल.

**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.

**Unit-II:** Fundamentals of Statistics
1. Measures of Central Tendency: Meaning, uses and Calculation from Frequency Tables.
2. Graphical representation of Data-Meaning uses and Techniques.

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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 programmes.

Unit-IV: Measurement of Physical Fitness and Skill Performance
1. Fitness Tests: Apearl, JCR Test, Candin Fitness test.

Unit-V
Dignitaries and Markin of Playfields Football, Volleyball, Basketball, Cricket, Hockey and Badminton.

Books Recommended:
10. अपने सिद्ध और अन्य शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पादशिष्टक (वी.ए. I) कमांडी प्रभावित तथ्यावली।
11. अपने सिद्ध और अन्य शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पादशिष्टक (वी.ए.पी.III) कमांडी प्रभावित तथ्यावली।

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12. मोहम्मद बाहिद और शाकेशत ए.के. : शारीरिक शिक्षा का इतिहास : ढालीरीमंच रेलवे ग्रामिण लखनऊ।
13. मोहम्मद बाहिद और दीक्षित सूर.के. : शारीरिक शिक्षा में शिक्षण विधि : ढालीरीमंच रेलवे ग्रामिण लखनऊ।
14. पांडेय लक्ष्मीचन्द्र : शारीरिक शिक्षा की शिक्षण पद्धति : दूरे-पोलिटन कुक कं. प्रा. लिं, नई दिल्ली।
15. शिक्षण अन्तर्गत कुमार : शारीरिक शिक्षा सिद्धांत, मनोविज्ञान एवं इतिहास : श्रीमंगाल पत्तनीकेशाव जयपुर।
16. पाटिल ए.पी. और बरोड़ा हेतु सिंह : शरीर रचना, क्रिया शासन, स्वस्थ शिक्षा, सुरक्षा शिक्षा, प्राथमिक विकास और अस्थायी : श्रीमान पत्तनीकेशाव जयपुर।
17. नरेश और संगासार : शारीरिक शिक्षा के विद्यालय व इतिहास : प्रथम ब्रह्मा सुभाषण।
18. नैनेश रामनाथ प्रसाद : शारीरिक शिक्षा का संगठन व विधिविधान : श्रीमंगाल पत्तनीकेशाव जयपुर।

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