University of Rajasthan
Jaipur

SYLLABUS

B.A. PART-II

EXAMINATION – 2019

Dy. Registrar
(Academic)

B.A. Part II Examination
(Under 10+2+3 Pattern)

R.11 (2)

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

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

Second Division 48% ⎬ Part I, Part II & III Examination, taken

together

All the rest will be declared to have passed the Examination if they obtain the minimum pass marks in each subjects, viz. 36% No division shall be awarded at the Part-I and Part-II examination.
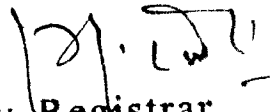
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Optional Subjects (Any three of the following subjects to the restriction as mentioned in O. 203 - I)

Sr. No.	Name of the Subjects
1.	English Literature
2.	Hindi Sahitya
3.	Urdu
4.	Persian
5.	Arabic
6.	Sanskrit
7.	Philosophy
8.	History
9.	Political Science
10.	Indian Music

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11. Public Administration

12. Drawing & Painting

13. Sociology

14. French

15. German

16. Home Science

17. Textile Craft

18. Investigative Bio- Technology

19. Garment Production & Export Management

20. Mathematics

21. Economics

22. Geography

23. Statistics

24. Applied Statistics

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25. Psychology

26. Rajasthani

27. Anthropology

28. Dramatics

29. Computer Application

30. Physical Education

31. Indian Heritage in Rural Handicrafts

N.B.:
1. Candidates must pass separately in each of the paper theory and practical, wherever prescribed.

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

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English Literature
B.A. Part II
2019

The Syllabus aims at achieving the following objectives:

1. Interpretation and appreciation of selected texts from the genres of poetry, drama, prose and fiction.

2. Strengthening skills of note making, summarizing and dialogue writing.

3. Understanding texts with specific reference to genres, forms and literary terms.

Paper I: Poetry and Drama

Maximum Marks: 100

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

Question No. 1: References to Context from unit A, B & C.
Candidate will be required to explain **four (4)** passages of Reference to Context out of **Eight (8)** of five marks each, with a total of **20 Marks.**

Question No. 2: Will also be compulsory. The student will be required to attempt 5 questions out of 10, to be answered in about 5 lines each. Each question will carry 4 marks to a total of **20 marks.**
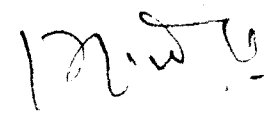
The other 3 questions will be Essay-type questions of **20 marks** each, one from each section with internal choice.

SECTION A

Thomas Gray:	Elegy Written in a Country Churchyard.
William Blake:	London, Tiger

William Wordsworth:	The World is Too Much with Us
	The Solitary Reaper

S.T. Coleridge: The Ancient Mariner

George Gordon Byron: There is a Pleasure in the Pathless Woods.

P.B. Shelley: Ode to the West Wind

John Keats: To Autumn

Reference Books-

Strings of Gold Part I Ed. Jasbir Jain (Macmillan)

The Golden Treasury by Francis Turner Palgrave (OUP)

Poet's Pen: An Anthology of English Verse Paperback – by Dustoor
P.E. (Author), Homai P.Dustoor (Author) (Oxford University Press)

The New Oxford Book of English Verse, 1250-1950 (Oxford Books of
Verse) by Helen Gardner (Editor)

SECTION B

Nissim Ezekiel:

   a. Enterprise

   b. Night of The Scorpion

Kamala Das:

   a. My Grandmother's House

   b. The Looking Glass

Arun Kolatkar:

   a. An Old Woman

   b. The Bus

   c. Chaitanya

A.K. Ramanujan:

   a. Of Mothers, Among Other Things

   b. Obituary

   c. A River

Grieve Patel:

   a. On Killing a Tree

   b. Servants

Reference Books-

Ten Twentieth Century Poets ed. R. Parthasarathy (O.U.P.):

Indian Writing in English by K.R.Srinivasa Iyengar .Sterling Publishers Pvt Ltd

A History of Indian English Literature by M.K.Naik Sahitya Akademi

The Golden Treasury of Indo-Anglian Poetry, 1828 1965 by Vinayak Krishna
Gokak (Editor) Sahitya Akademi

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Ibsen: *A Doll's House*
Tagore: *The Post Office*

Reference Books-

Henrik Ibsen: *A Doll's House*, Maple Press (1 August 2013)
Tagore: *The Post Office*, Hesperides Press (August 2014)

Paper II: Prose and Fiction

Maximum Marks: 100

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

Question No. 1: References to Context from unit A only.
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

S. Radhakrishnan: The Gandhian Outlook
R.K. Narayan: A Bookish Topic
J.B. Priestley: Making Writing Simple
Virginia Woolf: How Should One Read a Book?

Leo Tolstoy: Three Questions
Pearl S Buck: The Refugees
R.K. Narayan: Under the Banyan Tree
Alice Walker: Am I Blue?

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Reference Books-

An Anthology of English Essays Edited by R.P. Singh (O.U.P.)

The Pointed Vision Edited by Usha Bande and Krishnan Gopal. (O.U.P.)

SECTION B

Chaman Nahal: Azadi

William Golding: *Lord of the Flies*

Reference Books-

Chaman Nahal   :   Azadi .Penguin Books Ltd (March 30. 2003)

William Golding: *Lord of the Flies*. Penguin Books. 3 edition (October 1. 1999)

SECTION C

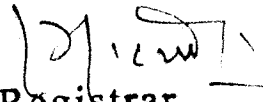### Note Making, Summarizing, Theme Writing

Recommended Reading:

Mohan, Krishna., Raman. Meenakshi. Effective English Communication. Tata McGraw Hill. New Delhi. 2009.

The Handbook of Creative Writing. Ed. Steven Earnshaw. Edinburgh University Press, London, 2007.

Pal. Rajendra & Korlahalli. J.S. Essentials of Business Communication. New Delhi Sultan Chand & Sons: New Delhi. 2005

Mohan Das, N.K. Writing Today:Developing Skills in Academic an Workplace Writing (Orient Blackswan)

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

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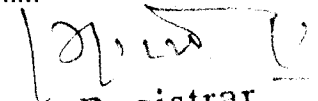University of Rajasthan
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1. केशवदास   रामचन्द्रिका –   राम वंदना – पूरण पुराण अरू......... देती मुक्तिको......

सूर्योदय वर्णन – 1. अरूण गात अति प्रात.... दिन भामिनी की भाल को।

2. व्योम में मुनि देखिए........ तिक्षिता तिनकी हुई।

पंचवटी वर्णन – 1. फल फूलन पूरे.......... रति मधु जाने

2. सब जात फटी .... धूर जटि पंचवटी।

3. सोभित दडंक की रूचि .... जनु मूरति लसै।

हनुमान लंका गमन – 1. हरि केसो वाहन .... हनुमान चल्यौ लंक को।

2. बिहारी
(20 दोहे)

– मेरी भव बाधा हरौ.............
– तजि तीरथ हरि राधिका...............
– नाच अचानक ही उठै बिन पावक...............
– कहत नटत रीझत खिझत...............
– नेहन नैनन को कछु उपजी बड़ी बलाय ....
– पाय महावर दैन को नाइन बैठी आय ....
– मंगल बिन्दु सुरंग मुख शशि केसर...............
– अंग–अंग नग जगमगत दीपशिखा सी देह...............
– भूसन भारू सम्भारि है...............
– कीनै हू कोटिक जतन अब कहि...............
– या अनुरागी, चित्त की ....
– जद्यपि सुंदर सर पुनि सगुना दीपक देह...............
– कहा कहौं वाकीदसा हरि प्राणन केइस...............
– पत्रा ही तिथि पाइए वा घर के चहूं पास...............
– निस अंधियारी नील पटु, पहरे चलि पियगेह...............
– औंधाई सीसी सुमुखि विरह अगन बिललात...............
– इति जावत उत जात सखि...............
– लाल तुम्हारे बिरह की अगन अनूप अपार...............
– कहलानै एकत बसत अहि मयूर मृग बाघ...............
– कनक कनक ते सौ गुनी मादकता अधिकाय ....
– कौ कहि सकै बड़ेन सौ लरवै बड़ी हू भूल...............
– नहि पराग नहि मधुर मधु...............
– मरत प्यास पिंजरा परयौ सुआ समय के फेर...............
– जगत जनायौ जेहि सकल सोहरि...............
– तो लगि या मन सदन में...............

3. देव
– जाकै न काम न क्रोध विरोध......
– कोऊ कहौ कुलटा कुलीन अकुलीन कहौ...............
– रावरौ रूप रहयौ भरि नैनन...............
– गंग तरंगिन दीन तरंगिनि ....

- ऐसे जु हौ जग्नत कि जैहे तु विषय के संग.............
- डार द्रुम पालना बिछौना नव पल्लव के"..............
- जब तै कुंवर कान्ह रावरी कला–निधान...............
- राधिका कान्ह को ध्यान करै तब कान्ह ....
- माखन सों मन दूध सौ जोबन.............
- को बचिहै यह बैरी बसन्त पै आवत..............

4. भूषण
- साज्जि चतुरंग–सैन अंग मैं उमंग धारि सरजा सिवाजी जंग जीतन चलत है।
- बाजे फहराने घहराने घंटा गजन के नाहीं ठहराने रावराने देसदेस के।
- बेद राखे बिदित पुरान परसिद्ध राखे राम–नाम राख्यो अति रसना सुघर में।
- उत्तरि पलँग तें न दियो हैं धरा पै पग तेऊ सगबग निसिदिन चली जाती हैं।
- ऊँचै घोर मंदर के अंदर रहनवारी ऊँचे घोर मंदर के अंदर रहाती हैं।
- अत्तर गुलाब चोवा चंदन सुगंध सब सहज सरीर की सुबास बिकसाती हैं।
- सौंधे को अधार किसमिस जिनको अहार चार अंक–लंक मुख चंदके समानी हैं।
- आपस की फूट ही तें सारे हिंदुवान टूटे टूट्यो कुल रावन अनीति अति करतें।
- भुज–भुजगेस की बैसंगिनी भुजंगिनी सी खेदि खेदि खाती दीह दारून दलन के।
- अति सौंधे भरी सुखमा सु खरी मुख ऊपर आइ रहीं अलकैं।

5. धनानंद –
1. छवि कौ सदन, मोदमंडित बदन–चन्द
2. भोर, ते सांझ लौ कानन ओर निहारति वाबरी नैक न हारति
3. सोऐं न सोयबो, जागे न जाग, अनोखियै लाग सु अँखिन लागी
4. नित द्यौंस खरी, उर मांझ अरी, छवि रंग–भरी मुरि चाहनि की
5. अन्तर उदेग–दाह, अँखिन प्रवाह–आँसू
6. नैनन मैं लागै जाय, जागै सु करेजे बीच
7. दिननि के फेर सों, भयो है हेर–फेर ऐसौ
8. कौन की सरन जैये आप त्यों काहू पैये
9. जासौं प्रीति ताहि निठुराई सों निपट नेह,
10. मीत सुजान अनीत करौ जिन, हा। हा। न हूजियै मोहि अमोहि

6. आलम

1. रूचिर बरन चीरू चन्दन चरचि सुचि,..............
2. अँखियाँ भली जू ऐसे अँसुवनि धारै, नातो, ...
3. चाहती सिंगार तिन्हैं सिंगी को सगाई कहा, ...
4. बारैं तें न पलक लगत बिनु साँवरे ते, ...
5. सीत रिपु भीत भई छाती राती ताती तई, ...
6. लता प्रसून डोल बोल कोकिला अलाप केकि, ...
7. पालन खेलत नन्द ललन छलन बलि, ...
8. दैहों दधि मधुर धरनि धर्यो छोरि खैहैं, ...
9. नीके न्हाइ धोइ धूरि पैतो नेक बैतो आनि, ...
10. गोरस रूखेरी कियै रंभु ताको मता दिये, ...

7. पद्माकर

1. कूलन में, केलिन, कछारन में, कुंजन में, ...
2. औरै भाँति कुंजन में गुंजरत भौंरे-भीर, ...
3. चंचला चमाकैं चहूँ ओरन तें चाह-भरी, ...
4. आयी हौ खेलन फाग इहाँ वृषभानपुरी तें सखी सँग लीने। ....
5. सीज ब्रज चंद पै चली यों मुखचंद जा को, ...
6. ऐसी न देखी सुनी सजनी धनी बाढ़त जात बियोग की बाधा। ....
7. तीर पर तरनि-तनूजा के तमाल-तरे, ...
8. फहरे निसान दिसानि जाहिर, धवल दल बक पांत से। ....
9. सिर कटहिं, सिर कटि धर कटहिं, धर कटि सुहय कटि जात हैं ....
10. किल किलकत चंडी, लहि निज खंडी, उमडि, उमंडी, हरषति है ....

8. सेनापति

1. राखति न दोपै पोपै पिंगल के लच्छन कौं, ...
2. बानी सौं सहित सुबरन मुँह रहै जहाँ ....
3. करत कलोल स्रुति स्रिघ, अमोल, तोल, ...
4. कालिंदी की धार निराधार है अधर, गन ....
5. सोहै सँग आलि, रही रति हु के उर सालि, ...
6. मालती की माल तेरे तन कौ परस पाइ, ...
7. मानहु प्रबाल ऐसे ओठ लाल लाल, भुज, ...
8. बरन बरन तरू फूले उपवन बन, ...

अंक विभाजन

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

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

4 x 15 = 60 अंक

पूर्णांक 100   न्यूनतम उत्तीर्णांक 36

खण्ड – 'अ'

नाटक   —   कोणार्क : जगदीश चन्द्र माथुर

खण्ड – 'ब'

एकांकी

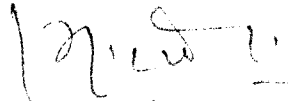|		
1. रामकुमार वर्मा	—	उत्सर्ग
2. भुवनेश्वर	—	ताँबे के कीड़े
3. उपेन्द्र नाथ अश्क	—	नया–पुराना
4. विष्णु प्रभाकर	—	ममता का विष
5. लक्ष्मी नारायण लाल	—	काल पुरुष और अजन्ता की नर्तकी
6. धर्मवीर भारती	—	आवाज का नीलाम
7. सुरेन्द्र वर्मा	—	हरी घास पर घंटे भर

खण्ड – 'स'

नाटक एवं एकांकी का उद्भव एवं विकास

अंक विभाजन

कुल चार व्याख्याएं – दो नाटक से, दो एकांकी से (आन्तरिक विकल्प देय) 9 x 4 = 36 अंक
कुल चार निबन्धात्मक प्रश्न   14 x 4 = 56 अंक
खण्ड 'अ' व 'ब' में से ''नाटक पर दो प्रश्न, एकांकी पर दो प्रश्न'' (आन्तरिक विकल्प देय)

खण्ड 'स' में से एक टिप्पणी (आन्तरिक विकल्प देय)   8 अंक

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Paper-I Poetry and Critical Appreciation

Max.Marks 100   3 Hrs.   Min. Pass Marks 36

Books Prescribed:
1. Shahpare Published By Idara-e-Nashr-o-Ishayat, Allahabad University, Allahabad (1991 Edition)

The following are prescribed from the text Book:-
A)   Ghazalyat: Dard, Momin, Nasikh
B)   Qasida : Wah Wah Kya Motadil Hai Baghe Alam Ki Hawa of Zauq
C)   Marsiya : Namake Khawane Takallum Hai Fasahat Meri of Meer Anis

Division of Marks:

Unit I	Ten short answer type questions.	20
Unit II	Explanation of Two Out of Three Ghazal/Qasida/Marsiya Passages.	20
Unit III	Critical Appreciation of Poet: Dard, Momin and Nasikh with Internal Choice	20
Unit IV	General Questions on Zauq & Anis..	20
Unit V	General question on Ghazal, Qasida and Marsiya.	20
		Total 100

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

URDU
Paper II (Prose)

Max.Marks 100   3 Hrs.   Min Pass Marks 36

Books Prescribed:
1. Intikhabe Nasr-Part-II Edited By Dr. Shabihul Hasan & Others (1990 Edition)
    The following lessons are Omitted From the Text Book;-
    A)   Adab Ki Gharaz-o-Ghayat
    B)   Natak
2. Afsana : 1. Kafan: Premchand
3. Novel : 1. Ziddi : Ismat Chughtai.

Division of Marks:

Unit I	Ten short answer type questions.	20
Unit II	Explanation of Two Out of Three Prose Passages.	20
Unit III	Critical Appreciation of A Prose Writer with Internal Choice	20
Unit IV	Summary of A Prose Lesson with Internal Choice	20
Unit V	General Questions on Novel & Afsana.	20
		Total 100

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

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Persian-4
Prose & Poetry
Paper-I

4

M.M:100   3Hrs   Minimum Passing Marks 36

Prescribed Books

1. Nisab-e-jadeed Farsi (HissaNasarWaNazam) Published by Jayyed Press Delhi.
2. Tareek-e-Adabiyate-Iran By Razazada Shafaq (Urdu Translation)

Prose Section
The following Prose section is prescribed

1. Intekhab-e-Zindagi-e-Man: Kudki
2. Intekhab-e-Hajibaba   (a) Guftar awwal
                                 (b) Guftar duwum

3. Dastan Hai Kotah
     (A) Mohd.Hijazi   Idee
     (B) Saeed Nafisi: Khana-e-Pidri

Poetry Section

1. QasaidUrfi: Dar Wasaf Kashmeer
2. Intekhab -e-Masnavi Maulana Rum   (Page No. 120 to 124)
3. Rubaiyate Umar Khayyam   (1 to 10 Rubaiyat)
4. Intekhab-e-Malik Ush Shaura Bahar   (a) Nasihat –b- Jawanan
                                 (b) Shadmani shayer
                                 (c) Husn –e- Niyat
                                 (d) Dar-rah-e-Ishq

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 Critical and Biographical notes on prescribed Prose Writers	15
Unit-4 Critical and Biographical notes on prescribed Poetry Writers	15
Unit-5 Summary of Prescribed lessons	20
	Total 100

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

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History of Persian Literature and Translation

Paper – II

M.M: 100   3.00 Hrs.   Minimum Passing Marks: 36

Prescribed Books

1. Chakidah (Tareekh Adabiyat-e-Iran (HissaNasar We Nazam)) by Dr. Manzar Imam
   Farsi Nasar ki Tareekh by Shareef Hussain Qasmi

Division of Marks:

Unit – I	(A) Ten Shor Answer type Question	10
	(B) Short Notes of Folowing books of saljuqi Period	20
	(i) QaboosNamah (ii) SiyasatNamah (iii) Kalilah-o-Damna	
	(iv) ChaharrMeqala (v) MarzabanNamah	
	Samani to Elkhani Period	
Unit- II	Critical study of Samani to Elkhani period	20
Unit- III	Critical Appreciation of following writers & Poets	20
	(i) Rodaki (ii) Farrukhi Sestani (iii) Umar Khayyam (iv) Hafiz	
Unit- iv	(i) Critical Study of Shahnama Fordausi	
	(ii) Study of Sufistic poetry with special reference to following poets	
	(i) Attar (ii) Sanai	20
Unit- v	(i) Translation of Five Sentences form Urdu into Persion	10

Recommended Books

1. SherulAjam By ShibliNomani Vol. to 3)
2. Tareekh-e-Adabiyate Iran By Raza ZadaShafaq (Urdu Translation)
3. Sanadeed-e-Ajam By Mehdi Hasan Nasri
4. AmuzishZaban-e-Farsi Daur-e-Muqaddemati By Yadollah Samrah (Vol. 1 to 4)
5. Farsi Shaeri ek mutala : Zakira Qasmi
6. Sher-e-nau Az Aghaz to Imroz : Mohammad Hoquqi
7. Dastoor Zabane Farsi : Parvez Natit Khanlari

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

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5. ARABIC

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

Paper - I   3 hrs. duration   100 Marks

Paper - II   3 hrs. duration   100 Marks

Paper - I : Prose, Translation and History of Arabic

Division of Marks :

1.	Translation of passages of prose (Text) into Urdu/English.	40 Marks
2.	Translation of Urdu/English passage into Arabic	20 Marks
3.	Life Sketch of an author	10 Marks
4.	Summary of a lesson	15 Marks
5.	History of Arabic Literature	15 Marks
	Total	100 Marks

Books Prescribed :

Alquirature Rshida-al-juz-wus-sali

Books Recommended :

1. Darjat-ul-Adab Vol. II by Zafar Iqbal.
2. Tarikh-ul-Adab-al-lughat ul-Arabian by Jirji Zaidan.
3. Aladab-Ul-Jahiliya : by Dr. Taha Hussain.
4. History of Arabic Literature by Clement Hurt.

Paper-II : Poetry, Translation, Grammar and Essay or Letter

Division of Marks :

1.	Explanation of extracts from poems into Urdu/English	40 Marks
2.	Translation of passage of Urdu/English into Arabic	20 Marks
3.	Life Sketch of a poet	10 Marks
4.	Grammar	10 Marks
5.	Essay or letter	20 Marks
	Total	100 Marks

Books Prescribed :

1. Nakhabatul Adab, Muratti-ba-Shoba-e-Arabi, Muslim University Alligarh. Ishatt Som.

    The following poems only :

(i) Alhamazetul Nabuwwat. Min-awwalaha Ali "walhasan min karam" Alshouqiyat al ahmed shouq.

(ii) Aghazal-wa-alkalab-alshouqiyat al ahmed shouqi.

(iii) Alughatul-Araba-Diwan Modh. Hafiz Ibrahim

(iv) Al Shair Diwan Mohd. Hafiz Ibrahim.

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(v) Fi-lwehdat-Min-wajaul-Mirat-ul-Adur-Rehmanalsiddiqui.

(vi) Menajat-Miratual Nafsial Abdul Rehman Albadvi.

(vii) Al-haryate-fis-sigasata-almusta qmareen Diwanur Rasani Albaghdadi.

(viii) Sakran (Abbas Mahmood allaqad) Azhar-ul-ashasr Larbari

(ix) Fi-rasa-un-nafsi (Abdul Qadir Almazani) Alashshair warnaj- did.

(x) Asha-shuhada (Khairuddin-Zarkaie) Diwan Khair uddin.

(xi) Ya-rafiqi (Aliya Abu Mazi)- Azharul Ashaar.

(xii) Raqadul Qalam (Ilyas Zbu shabkat)-Azharul-Ashaar.

(xiii) Aghiniya-reefiyat (Ali Mahmood)-Azharul-Ashaar.

(xiv) Akhakaz-Tehzi (Nadvi Tauqan) - Azharul Ashaar.

(xv) Ana (Nazil-ul-mala-e-Kati) - Mukhtarat Minnush shair-ul-
Hadees-ul-Mustafi Badvi.

Grammar :

Sarfe-Saghir-wa-Sarfe-Kabber, Khassatul Abwad, Afaal, Tafeel,
Muzae-lat, Is-tefaal, tafawul-Tafaal, Ifteal.

Aqsam-e-Jumla, Khaberyah, Inshaiyyah, **Ismiyah**, **Failiyah**-ma-
e-Aqsam.

Almarfooaat, almansoobat-wal-mujaddahat —
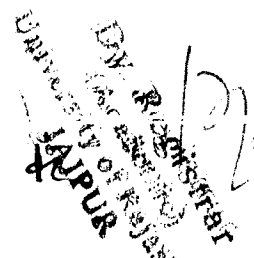
बी.ए. संस्कृत द्वितीय वर्ष (2019)

सामान्य निर्देश –

1. प्रत्येक परीक्षा में दो–दो प्रश्नपत्र होंगे।
2. प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घण्टे का होगा।
3. परीक्षा का माध्यम हिन्दी/अंग्रेजी होगा, परन्तु प्रश्नपत्र केवल हिन्दी में बनाया जायेगा। परीक्षार्थी को छूट होगी कि वह हिन्दी,संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विशेष के लिए भाषा का निर्देश कर दिया है तो उस प्रश्न का उत्तर उसी भाषा में देना अनिवार्य होगा।
4. संस्कृत केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।
5. निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जावेंगे।
6. प्रत्येक प्रश्नपत्र में 10 प्रतिशत अंक संस्कृत भाषा में उत्तर के लिये निर्धारित हैं।
7. प्रत्येक प्रश्नपत्र में दो भाग होंगे, जिसमें प्रथम 'अ' भाग लघूत्तरात्मक प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णांक 30 होगा।

परीक्षा योजना–	न्यूनतम उत्तीर्णांक–72	पूर्णांक–200
प्रथम प्रश्न–पत्र		अंक–100
द्वितीय प्रश्न–पत्र		अंक–100

प्रथम प्रश्नपत्र
वैदिक साहित्य, गद्य साहित्य एवं व्याकरण

समय : 3 घण्टे   अंक–100

प्रथम प्रश्न में निर्धारित ग्रन्थ में से लघूत्तरात्मक निबन्धात्मक, अनुवाद ,व्याख्या व समालोचनात्मक प्रश्न पूछे जायेंगे। 15 प्रश्न लघूत्तरात्मक होंगे जिनमें से प्रथम 5 प्रश्नों का उत्तर संस्कृत भाषा के माध्यम से देना होगा, प्रत्येक प्रश्न के लिए 2 अंक निर्धारित हैं। जिस प्रश्नपत्र में संस्कृत अनुवाद/ निबन्ध पूछे गए हैं वहाँ संस्कृत में उत्तर अपेक्षित नहीं है।

पाठ्यक्रम

1. **वैदिक साहित्य**

(क) ऋग्वेद के निम्नलिखित सूक्तों का अध्ययन–   20 अंक

अग्निसूक्त (1/1) वरुणसूक्त (1/25) इन्द्रसूक्त (2/12) क्षेत्रपतिसूक्त (4/57) विश्वेदेवासूक्त (8/58) प्रजापतिसूक्त (10/121) संज्ञानसूक्त (10/191)

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इन सूक्तों के मंत्रों का अनुवाद, व्याख्यात्मक टिप्पणी एवं उक्त देवताओं का चरित्र, स्वरुप से सम्बन्धित प्रश्न निर्धारित हैं।

(ख) कठोपनिषद्— प्रथम अध्याय—प्रथम वल्ली   10 अंक

2. गद्य साहित्य— शुकनासोपदेश (कादम्बरी—बाणभट्ट से)   25 अंक

3. वैदिक साहित्य का इतिहास   15 अंक

(वेद तथा प्रमुख ब्राह्मण ग्रन्थों का सामान्य परिचय)

4. व्याकरण— लघुसिद्धान्तकौमुदी—नामिक (अजन्त एवं हलन्त) 30 अंक

(क) अजन्त प्रकरण —   15 अंक

निम्नलिखित शब्दों की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले सूत्रों का अर्थज्ञान— राम, सर्व, हरि, गुरु, रमा, नदी, ज्ञान, वारि

(ख) हलन्त प्रकरण—   15 अंक

निम्नलिखित शब्दों की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले सूत्रों का अर्थज्ञान— विश्ववाह्, राजन्, भगवत्, विद्वस्, युष्मद्, अस्मद् और चतुर्, इदम्।

अंक— विभाजन

क्र.सं.	नाम पुस्तक	लघूत्तरात्मक प्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंक योग
1.	ऋग्वेद	लघूत्तरात्मक 2	04	02	16	4+16=20
2.	कठोपनिषद्	लघूत्तरात्मक 2	04	01	06	4+06=10
3.	शुकनासोपदेश	लघूत्तरात्मक 3	06	02	17	6+19=25
4.	वैदिक साहित्य का इतिहास	लघूत्तरात्मक 2	04	01	11	4+11=15
5.	लघुसिद्धान्त कौमुदी क— हलन्त	लघूत्तरात्मक 03	06	02	09	6+9=15
	ख—अजन्त	लघूत्तरात्मक 03	06	02	9	6+9=15
कुल योग		**15**	**30**	**10**	**70**	**100**

प्रश्न—पत्र का निर्माण निम्नानुसार होगा —

1. सभी प्रश्न अनिवार्य हैं।

2. प्रत्येक पुस्तक से लघूत्तरात्मक व निबन्धात्मक, व्याख्यात्मक प्रश्न पूछे जायेंगे। लघूत्तरात्मक प्रश्न के 2 अंक निर्धारित हैं।

निबन्धात्मक / व्याख्यात्मक प्रश्न

1. वैदिक साहित्य

ऋग्वेद

भाग अ में 2—2 अंक के दो लघूत्तरात्मक प्रश्न पूछे जायेंगे।   04 अंक

भाग ब

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4 मन्त्र पूछकर उनम से किसी 2 की सप्रसंग व्याख्या पूछी जायेगी।   10 अंक
देवताओं के स्वरूप सम्बन्धी प्रश्न में से किसी एक का उत्तर अपेक्षित है।   06 अंक

ईशोपनिषद्
भाग अ में 2-2 अंक के दो लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   04 अंक
भाग ब

2 मन्त्र पूछकर किसी एक की व्याख्या अपेक्षित है।   06 अंक

2. शुकनासोपदेश
भाग अ में 2-2 अंक के तीन लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   06 अंक
भाग ब

4 गद्यांश पूछकर उनमें से किन्हीं 2 की सप्रसंग व्याख्या पूछी जायेगी।   12 अंक

दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा।   07 अंक

3. वैदिक साहित्य का इतिहास
भाग अ में 2-2 अंक के दो लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   04 अंक
भाग ब

2 विवेचनात्मक मन्त्र पूछकर 1 प्रश्न का उत्तर देय होगा।   11 अंक

4. लघुसिद्धान्त कौमुदी

(क) अजन्त
भाग अ में 2-2 अंक के तीन लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   06 अंक
भाग ब

4 सूत्र पूछकर 2 की व्याख्या अपेक्षित है।   05 अंक
4 शब्दों की सिद्धि पूछकर 2 की सिद्धि अपेक्षित है।   04 अंक

(ख) हलन्त
भाग अ में 2-2 अंक के तीन लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   06 अंक
भाग ब

4 सूत्र पूछकर 2 की व्याख्या अपेक्षित है।   05 अंक
4 शब्दों की सिद्धि पूछकर 2 की सिद्धि अपेक्षित है।   04 अंक

सहायक पुस्तकें

1. वैदिक सूक्त मुक्तावली– डॉ. सुधीर कुमार गुप्त , हंसा प्रकाशन, जयपुर।
2. ऋक्सूक्त मंजरी– डॉ. सुभाष वेदालंकार, –अलंकार प्रकाशन, जयपुर।
3. ऋग्वेदसंहिता–एफ. मैक्समूलर–चौखम्बा प्रतिष्ठान दिल्ली।
4. ऋग्वेदसंहिता–डॉ.शारदा चतुर्वेदी–चौखम्बा प्रतिष्ठान दिल्ली।
5. ऋग्वेदसंहिता–वी.के.शर्मा–चौखम्बा प्रतिष्ठान दिल्ली।
6. कठोपनिषद्–वैजनाथ पाण्डेय–मोतीलाल बनारसीदास ,दिल्ली।
7. कठोपनिषद्–डॉ. राजेन्द्रप्रसाद शर्मा–जगदीश संस्कृत पुस्तकालय, जयपुर।
8. कठोपनिषद्–रचना प्रकाशन, जयपुर।
9. कठोपनिषद्(प्रथम वल्ली)– डॉ. सुभाष वेदालंकार, –अलंकार प्रकाशन, जयपुर।

गद्य–साहित्य :
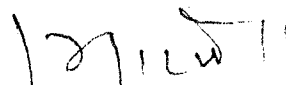
1. शुकनासोपदेश– डॉ. सुभाष वेदालंकार, अजमेरा बुक कम्पनी , जयपुर।
2. शुकनासोपदेश–महालक्ष्मी प्रकाशन, आगरा।
3. शुकनासोपदेश–डॉ. श्रीकृष्ण ओझा, आदर्श प्रकाशन, जयपुर।
4. कादम्बरी– चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।

संस्कृत साहित्य का इतिहास :

1. संस्कृत साहित्य की रूपरेखा–चन्द्रशेखर पाण्डेय, चौखम्बा प्रकाशन , वाराणसी।
2. संस्कृत साहित्य का नवीन इतिहास–डॉ. पुष्करदत्त शर्मा।
3. संस्कृत साहित्य का समालोचनात्मक इतिहास–डॉ. रामजी उपाध्याय, रामनारायण बेनीमाधव, इलाहाबाद।
4. संस्कृत साहित्य का इतिहास– श्री सत्यनारायण शास्त्री, आर्य बुक डिपो, दिल्ली।
5. संस्कृत साहित्य का इतिहास– डॉ. बलदेव उपाध्याय, चौखम्बा प्रकाशन, वाराणसी।
6. संस्कृत साहित्य का इतिहास– मंगलदेव शास्त्री, मोतीलाल बनारसीदास, दिल्ली।
7. संस्कृत साहित्य का इतिहास– प्रो. उमाशंकर शर्मा ऋषि, चौखम्बा प्रतिष्ठान दिल्ली।
8. संस्कृत साहित्य का इतिहास– डॉ रमाशंकर त्रिपाठी चौखम्बा प्रतिष्ठान दिल्ली ।
9. वैदिक साहित्य एवं संस्कृति का स्वरूप– ओम प्रकाश पाण्डेय, विश्व प्रकाशन।

लघुसिद्धान्त कौमुदीः

1. लघुसिद्धान्त कौमुदी–डॉ. अर्कनाथ चौधरी, जगदीश संस्कृत पुस्तकालय, जयपुर।
2. लघुसिद्धान्त कौमुदी– महेशसिंह कुशवाह–प्रथम व द्वितीय भाग, चौखम्बा संस्कृत प्रतिष्ठान दिल्ली।
3. लघुसिद्धान्तकौमुदी, श्रीश्रीधरानन्द शास्त्री, मोतीलाल बनारसीदास,दिल्ली।
4. लघुसिद्धान्तकौमुदी, विश्वनाथ शास्त्री, मोतीलाल बनारसीदास,दिल्ली।

द्वितीय प्रश्नपत्र
नाटक, छन्द, अलंकार एवं संस्कृत साहित्य का इतिहास

समय : 3 घण्टे   अंक–100

प्रथम प्रश्न में निर्धारित ग्रन्थ में से लघूत्तरात्मक निबन्धात्मक, अनुवाद ,व्याख्या व समालोचनात्मक प्रश्न पूछे जायेंगे।

पाठ्यक्रम

1. अभिज्ञानशाकुन्तलम्– कालिदास   45 अंक

2. छन्द– अभिज्ञानशाकुन्तलम् के आधार पर निम्नलिखित छन्दों के लक्षण
   एवं उदाहरण–अनुष्टुप्, आर्या, उपजाति, भुजंगप्रयात, वसन्ततिलका, शिखरिणी, मालिनी, शार्दूलविक्रीडित, इन्द्रवज्रा, उपेन्द्रवज्रा, रथोद्धता, हरिणी, स्रग्धरा, मन्दाक्रान्ता।   10 अंक

   अलंकार– काव्यदीपिका(अष्टम शिखा) के आधार पर निम्नलिखित अलंकारों के लक्षण एवं उदाहरण–अनुप्रास, यमक, श्लेष, वक्रोक्ति, उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, अप्रस्तुतप्रशंसा, विभावना, विशेषोक्ति, व्यतिरेक, समासोक्ति, दृष्टान्त, दीपक, तुल्ययोगिता, संदेह, भ्रान्तिमान्।   10 अंक

3. संस्कृत साहित्य का इतिहास   25 अंक
   - (क) वीरकाव्य : रामायण तथा महाभारत
   - (ख) महाकाव्य –कालिदास, अश्वघोष, भारवि, माघ।
   - (ग) गीति काव्य– कालिदास, भर्तृहरि, पण्डितराज जगन्नाथ।
   - (घ) गद्य काव्य– दण्डी, सुबन्धु, बाणभट्ट, अम्बिकादत्त व्यास।
   - (ङ) नाट्य साहित्य– भास, कालिदास, शूद्रक, विशाखदत्त।
   - (च) आधुनिक संस्कृत साहित्य (राजस्थान प्रान्त के विशेष संदर्भ में)
     पं.गणेशराम शर्मा, पं. मधुसूदन ओझा, भट्ट मथुरानाथ शास्त्री, पद्मशास्त्री, श्री सूर्य नारायण शास्त्री।

4. अनुवाद (हिन्दी से संस्कृत)   10 अंक

अंक– विभाजन

क्र.सं.	नाम पुस्तक	लघूत्तरात्मक प्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंको का योग
1.	अभिज्ञानशाकुन्तलम्	लघूत्तरात्मक 05	10	03	35	10+35=45
2.	छन्द (अभिज्ञानशाकुन्तलम् के आधार पर)	लघूत्तरात्मक 01	02	01	08	2+08=10
3.	अलंकार (काव्यदीपिका अष्टम शिखा के आधार पर)	लघूत्तरात्मक 01	02	01	08	2+08=10

4.	संस्कृत साहित्य का इतिहास	लघूत्तरात्मक	08	16	01	9	16+9=25
5	अनुवाद				01	10	10
	कुल योग		15	30	07	70	100

प्रश्न–पत्र का निर्माण निम्नानुसार होगा –

भाग 'अ'   30 अंक

प्रश्न–पत्र का निर्माण निम्नानुसार होगा –

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघूत्तरात्मक व निबन्धात्मक, व्याख्यात्मक प्रश्न पूछे जायेंगे ।
लघूत्तरात्मक प्रश्न के 2 अंक निर्धारित हैं।

<div align="center">निबन्धात्मक ⁄ व्याख्यात्मक प्रश्न</div>

1. अभिज्ञानशाकुन्तलम्
   भाग अ में 2–2 अंक के पाँच लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   10 अंक
   भाग ब

   1 से 4 अंकों में से 4 श्लोक पूछकर उनमें से
   किन्हीं 2 की सप्रसंग व्याख्या पूछी जायेगी।   14 अंक
   5 से 7 अंकों में से 4 श्लोक पूछकर उनमें से
   किन्हीं 2 की सप्रसंग व्याख्या पूछी जायेगी।   14 अंक
   2 प्रश्नों में से 1 प्रश्न का उत्तर अपेक्षित है।   07 अंक

2. छन्द
   भाग अ में 2 अंक के एक लघूत्तरात्मक प्रश्न पूछा जायेगा ।   02 अंक
   भाग ब

   4 छन्द पूछकर 2 के लक्षण एवं उदाहरण अपेक्षित है।   08 अंक

3. अलंकार
   भाग अ में 2 अंक के एक लघूत्तरात्मक प्रश्न पूछा जायेगा ।   02 अंक
   भाग ब

   4 अलंकार पूछकर उनमें से 2 के लक्षण एवं उदाहरण अपेक्षित है। 08 अंक

4. संस्कृत साहित्य का इतिहास
   भाग अ में 2–2 अंक के आठ लघूत्तरात्मक प्रश्न पूछे जायेंगे ।   16 अंक

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भाग ब

2 विवेचनात्मक प्रश्नो में से 1प्रश्न का उत्तर अपेक्षित है।   09 अंक
5. अनुवाद (हिन्दी से संस्कृत)
 10 वाक्यो में किन्हीं 5 वाक्यों का संस्कृत में अनुवाद ।   10 अंक

सहायक पुस्तकें

अभिज्ञानशाकुन्तलम्

1. अभिज्ञानशाकुन्तलम् डॉ. गंगासागर राय, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
2. अभिज्ञानशाकुन्तलम् जगदीशप्रसाद शर्मा– रचना प्रकाशन, जयपुर
3. अभिज्ञानशाकुन्तलम् सुवोधनचंद्र पंत– मोतीलाल बनारसी, दिल्ली
4. अभिज्ञानशाकुन्तलम् जगदीशलाल   शास्त्री– मोतीलाल बनारसी दिल्ली
5. काव्यदीपिका– परमेश्वरानंद   शर्मा, मोतीलाल बनारसी दिल्ली

संस्कृत साहित्य का इतिहासः–

1. संस्कृत साहित्य की रूपरेखा– चंद्रशेखर पाण्डेय एवं नानूराम व्यास, चौखम्बा प्रकाशन, वाराणसी
2. संस्कृत साहित्य का नवीन इतिहास– डॉ. पुष्करदत्त   शर्मा, अजमेरा बुक कं. जयपुर
3. संस्कृत साहित्य का आलोचनात्मक इतिहास– डॉ. रामजी उपाध्याय, रामनारायणलाल बेलरमाणव, इलाहाबाद
4. संस्कृत साहित्य का इतिहास–श्री सत्यनारायण   शास्त्री, आर्य बुक डिपो, दिल्ली
5. संस्कृत साहित्य की प्रवृत्तियॉ– डॉ. जयकिशनप्रसाद खण्डेलवाल, विनोद पुस्तक मंदिर, आगरा
6. संस्कृत साहित्य का इतिहास– ए.बी. कीथ, अनु. मंगलदेव शास्त्री – दिल्ली।
7. संस्कृत साहित्य का इतिहास– प्रो. राजवंश सहाय 'हीरा' चौखम्बा संस्कृत प्रतिष्ठान दिल्ली
8. संस्कृत साहित्य का प्राचीन एवं अर्वाचीन इतिहास– डॉ. रामसिंह चौहान, रितु पब्लिकेशन, जयपुर

7. 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) There shall be two question papers: Paper I and Paper II.

(2) Both the question papers will be in two parts: Part I & Part II

(3) Part I of the question paper will be of 40 marks in total. This part will consist of twenty compulsory short questions, with 2 marks each. The word limit for these questions shall be upto 50 words. These questions will cover the entire units and there will be no unit wise division of the questions asked in this part.

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

Paper I : Logic (Western)

Unit: A

1. Nature of Logic
2. Deduction and induction
3. Sentence and proposition
4. Truth and validity
5. Uses of language
6. Informal Fallacies
7. Laws of thought

Unit: B

1. Aristotelian classification of categorical propositions, square of opposition and the question of existential import, conversion, observation, contraposition.
2. Categorical syllogism, figures and moods, rules of validity, fallacies
3. Boolean interpretation of propositions, Venn diagram technique for the validity of syllogism.

Unit: C

1. Truth-functions: negation, conjunction, disjunction, implications and equivalence.
2. Arguments and argument-forms, truth-table technique for testing the validity of arguments form and classification of statements forms.
3. Mill's methods of experimental enquiry
4. The method of deduction in propositional logic introduction of rules & simple derivation.

Suggested Readings:

I.M. Copi	: *Introduction to logic* (Hindi Translation by Pandey and Mishra and another translation available from Pearson)
S.K. Seth and Nilima Mishra	: *Tarkshastra*, Lokabharti, Allahabad

Paper II: Ethics (Indian and Western)

Unit: A

1. Introduction: Concerns and presuppositions, theory of karma.
2. Dharma: its meaning, definition, classification; vidhi, nisedha & Arthavada: Purva Mimansa
3. Niskama Karma Yoga, Sthitprajna , Lokasamgraha
4. Purusarthas and their inter-relation, purusartha: sadhana and sadhaya Mulya.
5. Buddhist ethics: the four noble truths and the eight-fold path. Brahmaviharas
6. Jaina ethics : anuvratas and mahavratas, Tri ratna

Unit: B

1. Nature and scope of ethics.
2. Introduction: concerns and presuppositions; free will.
3. Teleological ethics: egoism; hedonism; utilitarianism.
4. Deontological ethics: Kant.
5. Intuitionism : Butler
6. Virtue ethics: Socrates, Plato and Aristotle.
7. Theories of punishment.

Suggested Readings:

I.C. Sharma	: *Ethical Philosophies of India.*
S.K. Maitra	: *The Ethics of the Hindus.*
Surama Dasgupta	: *Development of Moral Philosophy in India.*
M. Hiriyanna	: *The Indian Conception of Values.*
P.V. Kane	: *The History of Dharmasastras Vol.I* (Hindi translation available)
W. Lillie	: *An Introduction to Ethics.* Philippa Foot (ed.) *Theories of Ethics.*
J.N. Sinha	· *A Manual of Ethics* (Hindi translation available)
दिवाकर पांडेय	भारतीय नीतिशास्त्र
संगमलाल पांडेय	नीति दर्शन का सर्वेक्षण
वेद प्रकाश	नीतिशास्त्र के मूल सिद्धान्त

*****

8 : HISTORY

The scheme of examination will be as follows:

Scheme:

Maximum Marks 200   Minimum Pass Marks 72

Paper I   3 hrs. Duration   Marks 100

Paper II   3 hrs. Duration   Marks 100

Note: There shall be two papers in all in the subject of History, and each paper shall be of three hours duration and of 100 marks.

Each paper shall consist of two parts. Part 1 shall carry 40 marks and shall consist of two compulsory questions. The first compulsory question will be of 20 marks, comprising of 10 very short answer type questions of two marks each. The answer to each question should not exceed 20 words.

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

The second part of the question paper shall be divided into three sections comprising of 06 essay type questions, containing 02 questions from each section, of 20 marks each. Candidate will be required to answer 03 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

परीक्षा योजना :

अधिकतम अंक 200   न्यूनतम उत्तीर्णांक 72

प्रथम प्रश्नपत्र   समय 3 घंटे   अंक 100
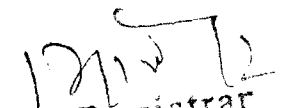
द्वितीय प्रश्नपत्र   समय 3 घंटे   अंक 100

नोट : इतिहास विषय के कुल दो प्रश्नपत्र होंगे, प्रत्येक प्रश्नपत्र तीन घंटे की अवधि का एवं 100 अंकों का होगा।

प्रत्येक प्रश्नपत्र के दो भाग होंगे। प्रथम भाग 40 अंको का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के प्रथम अनिवार्य प्रश्न में, दो–दो अंक के 10 अनिवार्य अतिलघुउत्तरात्मक प्रश्न होंगे। प्रत्येक उत्तर की शब्द सीमा 20 शब्द।

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

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

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PAPER I : HISTORY OF MEDIEVAL INDIA (c. 1200-1761 A. D)

Section – A

A survey of the sources of the period of Delhi Sultanate. Turkish invasions and Rajput resistance. Establishment and consolidation of Delhi Sultanate. Khalji imperialism and Tughlaq innovations. Growth of Provincial kingdoms. Contribution of Bahamani and Vijayanagar kingdoms.

Section – B

A survey of the sources of the Mughal period. Foundations of the Mughal Empire. Rise of Sher Shah Suri and his administration. Expansion and consolidation of the Mughal empire under Akbar. Role of Nur Jahan 'Junta' in Mughal politics. Mughal policy towards Rajputs, Sikhs, Deccan kingdom, Marathas, Persia and Central Asia. Religious policy of the Mughals. Rise of Shivaji and expansion of the Marathas upto 1761. Fall of the Mughal Empire.

Section – C

A critical evaluation of the main features and processes of the polity, society, economy and culture during medieval times (c. 1200-1761 A.D). Nature of State. Growth of administrative and agrarian systems. Economy : agriculture, industry, trade, banking, urban centres. Society : social classes – ulema, nobility, peasantry, slavery. Status of women. Bhakti Movement, Maharashtra Dharma, Sufism, Sikhism. Developments in art, architecture, and literature. Efforts at cultural synthesis and growth of composite culture.

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खण्ड — क

दिल्ली सल्तनत के काल के स्रोतों का सर्वेक्षण। तुर्की आक्रमण एवं राजपूत प्रतिरोध। दिल्ली सल्तनत की स्थापना एवं सुदृढ़ीकरण। खलजी साम्राज्यवाद एवं तुगलकी नवप्रवर्तन। प्रान्तीय राज्यों का उदय। बहमनी एवं विजयनगर राज्यों का योगदान।

खण्ड — ख

मुगल काल के स्रोतों का सर्वेक्षण। मुगल साम्राज्य की स्थापना। शेरशाह सूरी का उत्कर्ष एवं उसका प्रशासन। अकबर के अधीन मुगल साम्राज्य का विस्तार एवं सुदृढ़ीकरण। मुगल राजनीति में नूरजहाँ 'जुन्ता' की भूमिका। राजपूतों, सिक्खों, दक्कनी राज्यों, मराठों, फारस एवं मध्य एशिया के प्रति मुगलों की नीति। मुगलों की धार्मिक नीति। शिवाजी का उत्कर्ष तथा 1761 ईस्वी तक मराठों का विस्तार। मुगल साम्राज्य का पतन।

खण्ड — ग

मध्यकाल (1200 से 1761 ईस्वी) में राजशासन, समाज, अर्थव्यवस्था एवं संस्कृति की मुख्य विशेषताओं का आलोचनात्मक मूल्यांकन। राज्य की प्रकृति। प्रशासनिक एवं कृषिपरक व्यवस्थाओं का विकास। अर्थव्यवस्था — कृषि, उद्योग, व्यापार, बैंकिंग, नगरीय केन्द्र। समाज — सामाजिक वर्ग — उलेमा, कुलीन वर्ग, कृषक वर्ग, दासप्रथा। स्त्रियों की स्थिति। भक्ति आंदोलन, महाराष्ट्र धर्म, सूफीवाद, सिक्ख धर्म। कला, स्थापत्य एवं साहित्य की प्रगति। सांस्कृतिक समन्वय हेतु प्रयास एवं सम्मिश्र संस्कृति का विकास।

Books Recommended (अनुशंसित पुस्तकें):

K. S. Lal : *History of the Khaljis*, Allahabad, 1960.

: *Theory and Practice of Muslim State in India*, Delhi, 1999

Hermann Kulke (ed.) : *The State in India, 1000-1700 A.D.*, Delhi, 1997

A. Mahdi Husain : *The Tughlaq Dynasty.*

: *The Rise and Fall of Muhammad Bin Tughlaq*

Satish Chandra : *Medieval India – From Sultanate to the Mughals*, Part I, *Delhi Sultanate (1205-1526)*, Part II, *Mughal Empire (1526-1748)* Delhi, 1997 (also in Hindi).

K. M. Ashraf : *Life and Conditions of the People of Hindustan (1200-1550 A.D)*, Delhi, 1970.

R. P. Tripathi : *Rise and Fall of the Mughal Empire* (also in Hindi), Allahabad, 1963

: *Some Aspects of Muslim Administration*, Allahabad, 1964

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Tapan Raychaudhuri & Irfan Habib (ed.) : *Cambridge Economic History of India*, Vol. I, c. 1200-1750 A.D., Delhi, 1984

John F. Richards : *The Mughal Empire*, Delhi, 1993

Jadunath Sarkar : *Mughal Administation*, Delhi, 1972

Irfan Habib : *Agrarian System of Mughal India, 1526-1707*, Mumbai, 1963

S. R. Sharma : *Religious Policy of the Mughal Empire* (also in Hindi), Agra, 1972

Burton Stein : *Vijayanagar*, 1989

" : *Peasant State and Society in Medieval South India*, Delhi, 1980

H.K. Sherwani : *The Bahamani Kingdom*

G. S. Sardesai : *New History of the Marathas*, Vol. I

A. L. Srivastava : *Medieval Indian Culture* (also in Hindi), Agra, 1964

राधेशरण : *मध्यकालीन भारत का सामाजिक एवं आर्थिक इतिहास*, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल, 2000

राधेशरण : *मध्यकालीन भारत की सांस्कृतिक संरचना*, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल, 1998

झारखण्ड चौबे एवं कन्हैयालाल श्रीवास्तव : *मध्ययुगीन भारतीय समाज एवं संस्कृति*, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ, चतुर्थ संस्करण, 2005

सतीश चन्द्र : *मध्यकालीन भारत : सल्तनत से मुगलों तक, भाग एक – दिल्ली सल्तनत (1206–1526), भाग दो – मुगल सल्तनत (1526–1748)*

हरिश्चंद्र वर्मा (स.) : *मध्यकालीन भारत, भाग–1 (750–1540), भाग –2 (1540–1761)*, हिन्दी माध्यम कार्यान्वयन निदेशालय, दिल्ली विश्वविद्यालय, दिल्ली

ए.एल. श्रीवास्तव : *मध्यकालीन भारतीय संस्कृति* (अनुवाद)

घनश्याम दत्त शर्मा : *मध्यकालीन भारतीय सामाजिक, आर्थिक एवं राजनीतिक संस्थाएं*, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर

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Section - A

Meaning of Culture. Essence and characteristics of Indian Culture. Religion and Culture : Vedic religion, Buddhism and Jainism, Vaishnavism and Saivism. Bhakti Movement. Islam and Sufism in India. Philosophy and Culture : Upanishadic thought, Bhagvadgita.

Section - B

Literature and Culture : significance of Ramayana, Mahabharata and Puranas. Contribution of Kalidas, Tulsidas, and Ravindranath Tagore. Social Institutions and Culture : Social ideals of ancient India - *varna, ashrama, samskaras, purushartha*. Social Reform Movements of the 19th and 20th centuries.

Section - C

Art and Culture : Characteristics of Indian Art. Styles of temple architecture. A brief study of temples at Abu, Khajuraho, Orissa, Pallava and Chola temples. Painting through the ages - rock paintings, Ajanta paintings, Mughal painting. Science and Culture : Contributions of Aryabhatta, Varahamihira, Charaka and Susruta.
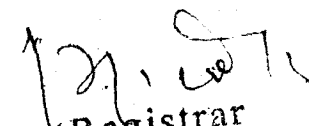
द्वितीय प्रश्नपत्र : भारत के सांस्कृतिक इतिहास की मुख्य धाराएं

खण्ड - क

संस्कृति का अर्थ। भारतीय संस्कृति का प्रधान तत्त्व एवं विशेषताएँ। धर्म एवं संस्कृति : वैदिक धर्म, बौद्ध धर्म एवं जैन धर्म, वैष्णव धर्म एवं शैव धर्म। भक्ति आंदोलन। भारत में इस्लाम एवं सूफी मत। दर्शन एवं संस्कृति : उपनिषदों का चिन्तन, भगवद्गीता।

खण्ड - ख

साहित्य एवं संस्कृति : रामायण, महाभारत एवं पुराणों का महत्त्व। कालिदास, तुलसीदास एवं रवीन्द्रनाथ टैगोर का योगदान। सामाजिक संस्थाएं एवं संस्कृति : प्राचीन भारत के सामाजिक आदर्श - वर्ण, आश्रम, संस्कार, पुरुषार्थ। 19वीं एवं 20वीं शताब्दी के समाज-सुधार आंदोलन।

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कला एवं संस्कृति : भारतीय कला की विशेषताए। मंदिर स्थापत्य की शैलियाँ, आबू, खजुराहो, पल्लव एवं चोल मंदिरों का संक्षिप्त अध्ययन। काल के प्रवाह में चित्रकला – शैल चित्रकला, अजंता चित्रकला, मुगल चित्रकला। विज्ञान एवं संस्कृति – आर्यभट्ट, वराहमिहिर, चरक एवं सुश्रुत का योगदान।

Books Recommended (अनुशंसित पुस्तकें) :

G. C. Pande	:	Foundations of Indian Culture, Vol. I and II
	:	Meaning and Process of Culture
R. G. Bhandarkar	:	Vaishnavism, Saivism and other Minor Religious Systems.
Rajbali Pandey	:	Hindu Samskara (The Social and Religious Study of the Hindu Sacraments), (also in Hindi), Varanasi
A. L. Srivastava	:	Medieval Indian Culture (also in Hindi).
V.S. Agrawala	:	Indian Art, Varanasi
Krishna Dev	:	Temples of North India (also in Hindi), NBT, New Delhi
K. R. Srinivasan	:	Temples of South India (also in Hindi), NBT, New Delhi
A. L. Basham	:	The Wonder that was India (also in Hindi)
	:	The Cultural History of India (ed.)

गोविन्दचन्द्र पाण्डे : भारतीय परम्परा के मूल स्वर, नई दिल्ली, 1993
भारतीय समाज – तात्त्विक और ऐतिहासिक विवेचन, नई दिल्ली, 1994

एन.के. देवराज : भारतीय दर्शन, लखनऊ, 1963

राजबली पांडे : हिन्दू संस्कार, वाराणसी

जयशंकर मिश्र : प्राचीन भारत का सामाजिक इतिहास, पटना, 1999

ए.एल. श्रीवास्तव : मध्यकालीन भारतीय संस्कृति (अनुवाद)

वासुदेव शरण अग्रवाल : भारतीय कला

पृथ्वीकुमार अग्रवाल : प्राचीन भारतीय कला एवम् वास्तु, विश्वविद्यालय प्रकाशन, वाराणसी, 2002

कृष्णदेव : उत्तर भारत के मंदिर, नेशनल बुक ट्रस्ट, नई दिल्ली

के.आर. श्रीनिवासन : दक्षिण भारत के मंदिर, नेशनल बुक ट्रस्ट, नई दिल्ली

सत्य प्रकाश : प्राचीन भारतीय विज्ञान की परम्परा

ए.एल. बाशम : अद्भुत भारत (अनुवाद)

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B.A. Part - II Examination, ...

प्रश्न–पत्रों की रूपरेखा

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

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

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

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

Scheme of Question Papers

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

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

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

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

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प्रथम प्रश्न– पत्रः प्रमुख राजनीतिक व्यवस्थाएँ

विद्यार्थियों से अग्रांकित देशों की राजनीतिक प्रणालियों के महत्चपूर्ण पक्षों–विधायिका, कार्यपालिका, न्यायपालिका, राजनीतिक दल एवं वर्तमान प्रवृतियों का विशलेष्णात्मक और तुलनात्मक दृष्टिकोण से अध्ययन करने की अपेक्षा की जायेगी।

खण्ड 'क'

ब्रिटेन।

खण्ड 'ख'

संयुक्त राज्य अमेरिका।

खण्ड 'ग'

चीन, जापान, स्विट्जरलैण्ड।

अनुशंसित पुस्तकें:–

इकबाल नारायण : विश्व के संविधान।
प्रभुदत्त शर्मा : संविधानों की दुनिया।
बाबूलाल फडिया : विश्व के प्रमुख संविधान।
पी.के. चड्ढा : विश्व के प्रमुख संविधान।
पुखराज जैन : विश्व के प्रमुख संविधान।
ए.सी. कपूर : मेजर कान्स्टीट्यूशन्स।
के.एल.कमल : चीन का सविंधान एवं राजनीति

B.A PART (II)

Paper-I : Selected Political System

Student will be expected to study the salient aspects-Legislature, Executive, Judiciary, Political Parties of the political systems of the following countries with an analytical and comparative perspective.

Section –A

Britain

Section –B

U.S.A.

Section –C

Peoples Republic of China, Japan and Switzerland.

Suggested readings:

- Ogg & Zink : Modern Foreign Governments.
- Babulal Fadia : Vishwa Ke Pramukha Samvidhan.
- Iqbal Narain : Vishwa ke Samvidhan
- Chaddha , P.K : Vishwa Ke Pramukha Samvidhan(Adarsh Prakashan, Chaura Rasta, Jaipur).
- A.C Kapoor : Major Constitutions.
- R.C Agarwal : World Constitutions.

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द्वितीय प्रशन-पत्र: भारतीय राजनीतिक व्यवस्था

खण्ड 'क'

भारत में राष्ट्रीय आंदोलन– भारत में राष्ट्रवाद का उदय, भारतीय राष्ट्रीय कांग्रेस एवं मुस्लिम लीग की स्थापना, उदारवादी और उग्रवादी, गांधी व राष्ट्रीय आंदोलन, भारत में संवैधानिक विकास– भारत में शासन अधिनियम, 1919 (द्वैध शासन के विशिष्ट संदर्भ में), भारत शासन अधिनियम, 1935 (प्रांतीय स्वायत्तता के विशिष्ट संदर्भ में), संविधान निर्मात्री सभा।

खण्ड 'ख'

संविधान की प्रस्तावना, संघीय व्यवस्था, मौलिक अधिकार, राज्य नीति के निदेशक तत्त्व, संघीय कार्यपालिकाः राष्ट्रपति, प्रधानमंत्री व मंत्रिपरिषद्, संघीय संसद, उच्चतम न्यायालय व न्यायिक पुनरावलोकन, न्यायिक सक्रियता, जनहित याचिका, संविधान सशोधन की प्रक्रिया, संघ– राज्य सम्बन्ध, संवैधानिक एवं विधिक आयोग–निर्वाचन आयोग, संघ लोक सेवा आयोग, राष्ट्रीय मानवाधिकार आयोग।

खण्ड 'ग'

राज्यों का शासनः राज्य व्यवस्थापिका, राज्य कार्यपालिकाः राज्यपाल, मुख्यमंत्री एंव मंत्री परिषद, कतिपय राज्यों को विशेष दर्जा और उसके प्रभाव, दलीय व्यवस्था, भारत में पंथनिरपेक्षता की प्रकृति, भारतीय राजनीतिक व्यवस्था के सम्मुख प्रमुख चुनौतियाँ–क्षेत्रवाद, जातिवाद, साम्प्रदायिकता, नक्सलवाद, आंतकवाद, पंचायती राज एवं नगर निकाय, 73 वें व 74 वें संविधान सशोधन की महत्ता।

अनुशंसित पुस्तकेः–

N.D Palmar : The Indian Political System, Houghton Mifiling, Boston, 1971

R.L. Hardgrave, Jr. : Indian Government and Politics (Harcourt Brance and World, Inc, New York, 1970)

Basu, D.D : Introduction to Constitution of India

Kashyab, Subash : Our Parliament

Zoya Hasan, E. Sridharan, R.Sudarshan (Edtiors): India's Living Constitution, Permanent Black, New Delhi, 2006

रजनी कोठारीः भारत में राजनीति, ओरिएन्ट लॉंगमेन्स, नई दिल्ली, 1972

गोविन्द रामः भारतीय राज्य व्यवस्था

बी. एल. फड़ियाः भारतीय राज्य व्यवस्था

एस. एम. सईदः भारतीय राज्य व्यवस्था

बी. के. शर्माः भारतीय संविधान

बी. के. चन्द्राः भारतीय राजनीतिक प्रणाली, आदर्श प्रकाशन, चौडा रास्ता, जयपुर

जारूकी नाथ चौधरी, युवराजकुमार भारतीय शासन एवं राजनीति, ओरिएन्ट, ब्लेकस्वान, नई दिल्ली, 2011

Paper (II) – Indian Political System

Section – A

National Movement in India, Rise of Nationalism in India, Foundation of the Indian National congress and Muslim League, Moderates and Extremists, Gandhi and National Movement.

Constitutional Development in India : Government of India Act 1919 (with special reference to Dyarchy) and Government of India Act 1935(with special reference to Provincial Autonomy)Constituent Assembly.

Section-B

Preamble of the Constitution, Federal system, Fundamental Rights, Directive Principles of State Policy, Union Executive: President, Prime Minister and the Council of Ministers, Union Parliament, Supreme Court and Judicial Review, Judicial Activism, PIL, Method of Amendment in the Constitution, Centre – State Relation, Constitutional/Statutory commission-ECI, UPSC, NHRC.

Section –C

Governance of States: State Legislature, State Executive: Governor, Chief Minister, Council of Minister, Special status to certain states and its implications, Party System, Nature of Secularism in India, Major challenges before the Indian Political System : Regionalism, Casteism, Communalism, Naxalism and Terrorism, Panchayati Raj and Municipalities, significance of 73rd and 74th constitutional amendment acts.

Suggested Reading:-

N.D Palmar : The Indian Political System, Houghton Mifiling, Boston, 1971

R.L. Hardgrave, Jr. : Indian Government and Politics (Harcourt Brance and World, Inc, New York, 1970)

Basu, D.D : Introduction to Constitution of India

Kashyab, Subash : Our Parliament

Zoya Hasan, E. Sridharan, R.Sudarshan (Edtlors): India's Living Constitution, Permanent Black, New Delhi, 2006

रजनी कोठारी: भारत में राजनीति, ओरिएन्ट लाँगमेन्स, नई दिल्ली, 1972

गोविन्द राम: भारतीय राज्य व्यवस्था

बी. एल. फड़िया: भारतीय राज्य व्यवस्था

एस. एम. सईद: भारतीय राज्य व्यवस्था

बी. के. शर्मा: भारतीय संविधान

पी. के. वछ्ठा: भारतीय राजनीतिक प्रणाली, आदर्श प्रकाशन, चौड़ा रास्ता, जयपुर

भानूवनी नाथ चौधरी, युवराजकुमार: भारतीय शासन एवं राजनीति, ओरिएन्ट, ब्लेकरवान, नई दिल्ली, 2011

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INDIAN MUSIC

Paper - I Theory   3 hrs. duration Max.Marks 40   Min. Marks 15

Paper – II Theory   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 : (1) Each theory paper will contain nine questions having three question in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

(2) Candidate must pass separately in each of the theory and practical.

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

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Paper – I Theory

Principles of Indian Music

Section –A

Paper – I : Theory   3 hrs. duration   Max.Marks 40   Min. Marks 15

(a) Definitions and explanations of the following terms: Ragalap Roopakalaap, Alpatva Bahuta and Alapti Avirbhav and Tirobhav Swasthan Niyam & Aadhunik aalap gayan.

(b) Shruti and Swarsthanas according to Bharat and Pt. Bhatkhande.

(c) Placement of Sudha swaras on the wire of veena according to Pt. Ahobal, Pt. Bhatkhande.

(d) Comparative study of the swaras of North and South Indian Music.

Section –B

(a) To write the thekas of the following talas : Dhamar, Tilwada, Ektal, Chautal, Rupak, Punjabi, Sooltal, Jhumra, Tivra.

(b) To write the following talas in Dugun, Tigun and Chaugun.

(c) Critical and comparative study of the ragas prescribed for practical course: Malkouns, Vrindavani-Sarang, Miya Malhar, Bahar, Bhairav, Ramkali, Shuddha-Kalyan, Jaijaivanti, Khamaj.

Section –C

(a) Definations of Gat, Jhala, Ghasit Jod-alap, Zamzama, Krintan, Meend and Gamaka.

(b) Notation writing in preseribed ragas.

(c) Writing Alaps and Tanas /Todas in different Ragas.

(d) Racognition of Ragas from given notes and writing of Alaps showing : 'Nyas' on some given Swaras.

Paper – II : Theory

History of Indian Music

Paper – II : Theory   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.

N.B.   Candidate must pass separately in each of the theory and practical syllabus

Section – A

- (a)   Study of Gran Moorchana.
- (b)   Modern Shudha Scales of Karnatak and Hindustani Music.
- (c)   Major and Minor Scales of Western Music.
- (d)   Staff Notation.

Section – B

- (a)   Frequencies of the Musical notes.
- (b)   Classification of Ragas according to Raga-Ragini Paddhati.
- (c)   Life sketches, contribution and style of the following musicians : Allauddin Khan, Amirkhan, Kesar Bai Kerkar, Pt. Omkar Nath Thakur, Heerabai Barodkar.

Section – C

- (a)   Theory of Mela and Janya ragas and 72 Melas of Pt. Vyankeatmakhi, 10 Thatas of Bhatkhande, 32 Thatas according to the Swaras of Hindustani Music.
- (b)   Use and description of the following instruments pakhawaj, Veena and flute.
- (c)   A short essay on any subject of general musical interest.

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Practical (Vocal and Instrumental)

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

Duration of Exam. : I hour per candidates.

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 and mark time on hand and to recognize the following talas when played on table-Dhamar, Tilwara, Ektal,Chautal, Roopak, Dadra, Punjabi, Sooltal, Jhoomra, Tivra and Kaharwa.
4. To sing Arohi, Avrohi, Pakad and Swar Vistar of the following ragas- Malkouns, Vrindavani-Sarang, Miya Malhar, Bahar, Bhairav, Ramkali, Shuddha-Kalyan, Jaijaivanti, Khamaj, Tilak-Kamod.
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) Malkouns (ii) Vrindavani Sarang (iii) Bhairav (iv) Miya Malhar.
6. With the accompaniment of table to sing a fast khayal or Tarana with sufficient Tanas in any four ragas of the following – (i) Khamaj   (ii) Bahar (iii) Tilak-Kamod   (iv) Ramkali (v) Shuddha Kalyan (vi) Jaijaivanti.
7. With the accompaniment of table or pakhawaj to sing one Durpad with Dugun , Chaugun and one Dhamar with Dugun, Chaugun in any two different rages prescribed under clause-1

Instrumental Music

Candidate can offer any one of the following instruments:

(1) Sitar, Violin, Sarod, Flute, Israj or Dilruba Clause 1,2 and 4 same as Vocal Music, singing may be replaced by playing.

(2) With the accompaniment of Tabla to play Vilambitgat (विलम्बितगत) and a Drutgat (द्रुतगत) with sufficient varieties of Todas and Jhalas, in the following four ragas: Malkouns, Vrindavani-Sarang, Bhairav, Miya-Malhar.

(3) With the accompaniment of Tabla to play Drutgat with tans and Jhalas in any four ragas of the following.

(i) Khamaj (ii) Bahar (iii) Tilak-Kamod (iv) Ramkali (v) Shuddha Kalyan (vi) Jaijaivanti.

(4) 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.

(5) To play a Dhun in any Raga.

Books Recommended :

(1) Kramik Pustak Malika parts 2,3 and 4 Sangeet Karyalaya, Hathras.

(2) Tan Malika parts 2 and 3 (Purvardh) by Raja Bhaiya Poonchwal, Sangeet Karyalaya, Hathras.

(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) Saral Violin Parichaya by G.N. Goswami, Goswami Printers, Narahi, Lucknow.

(8) Ragvigyan by N.V. Patwardhan, Part 1 and part II, Sangeet Karyalaya, Hathras.

(9) A Short survey of the Music of the Northern India by Pt. V.N. Bhatkhande.

(10) संगीत के जीवन पृष्ठ by S.Rai.

(11) Vadya Shastra by Shri Harish Chandra Srivastava.

(12) Hamare Sangeet Ratna, Sangeet Karyalaya, Hathras.

(13) Sangeet Visharad by Basant.

(14) Comparative study of the Music of the 15th , 16th and 17th Centuries by Pt. V.N. Bhatkhande Sangeet Karyalaya, Hathras.

(15) Sangeet Kaumudi Vikramaditya. Singh Nigam.

(16) Tan Malika Pt. III (Nigam Vuttardha) by Raja Bhaiya Poonchwal.

(17) Hindustani Music- Its physics and aesthetics by G.S. Ranade, Sangeet Karyalaya, Hathras.

(18) Music of Hindustan Four Strang ways.

(19) Origin of Ragas - Bandopadhyaya.

(20) The Music of India by H.A. Popley.

(21) Hindustani Sangeet Paddhati (Shastra) by Pt. Bhatkhande, Part 1 to 4.

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11. **Public Admn**

UNIVERSITY OF RAJASTHAN

Subject - Public Administration

Scheme	Max. Marks	Mini Pass. Marks	Time
Two Papers	200	72	
Paper – I	100		3 Hrs.
Paper – II	100		3 Hrs.

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 into three sections – each section contains 2 descriptive type question of 20 marks each. The candidates are required to attempt three questions selecting ne question from each section.   Total Marks: 60
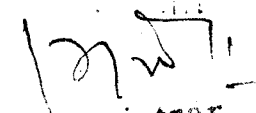
llabus

Paper-I : Administrative Institutions in India
Section - A

Administrative Institutions in a Democratic and Socialist Society. e concepts of Loissez Faire, Welfare State and Administrative ite.

Organization of Government : Legislature — its role and reasons decline in modern times; Executive : Types and Relationship with gislature.

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Judiciary : Functions and Role with special reference to the Power of Judicial Review, Judicial Activism.

Section - B

Democracy and Administration, Features of Democratic Administration. Role of Bureaucracy, Political Parties and Pressure Groups and their interaction with each other.

Organization and administrative working of Finance Commission, ~~Planning Commission of India and the National Development Council~~. Election Commission and the administration of elections in India.

Section - C

Organization and working of following Administrative Institutions :

(1) University Grants Commission, (2) U.P.S.C., (3) Railway Board, (4) Reserve Bank of India, (5) Central Social Welfare Board.

Books Recommended :

A. Core Books :
1. Waldo : Administrative State.
2. Field : Government in Modern Society.
3. Paranjape : Planning Commission.
4. I.I.P.A. : Organisation of the Government of India.
5. जियाउद्दीन खाँ एवं अंतर सिंह : प्रशासनिक संस्थाएँ
6. Dr. H.C. Sharma : Prashasnik Sansthayen.
7. Report of Finance Commission of India.
8. M.G. Gupta : Modern Government.

B. Books for Reference :
1. Garbin : Systematic Politics.
2. Salt : Political Institution A Preface.

C. Journal :
1. Indian Journal of Public Administration, New Delhi.

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प्रथम खण्ड

प्रजातांत्रिक तथा समाजवादी समाज में प्रशासनिक संस्थाएँ, अहस्तक्षेपवादी राज्य, कल्याणकारी राज्य तथा प्रशासकीय राज्य की अवधारणाएँ, सरकार का संगठन : व्यवस्थापिका—इसकी भूमिका तथा आधुनिक समय में इसके ह्रास के कारण, कार्यपालिका प्रकार तथा व्यवस्थापिका से सम्बन्ध; न्यायपालिका : कार्य तथा भूमिका-न्यायिक पुनरावलोकन की शक्ति के विशेष संदर्भ में, न्यायिक सक्रियता।

द्वितीय खण्ड

लोकतंत्र तथा प्रशासन, लोकतांत्रिक प्रशासन के लक्षण, नौकरशाही की भूमिका। राजनीतिक दल तथा दबाव समूह तथा इनकी पारस्परिक अन्तर्क्रिया, भारत में वित्त आयोग, ~~योजना~~ आयोग तथा ~~राष्ट्रीय विकास परिषद की~~ संगठन व प्रशासनिक कार्य प्रणाली, निर्वाचन आयोग तथा भारत में निर्वाचन का प्रशासन।

तृतीय खण्ड

निम्नांकित प्रशासनिक संस्थाओं का संगठन तथा कार्य प्रणाली : 1. विश्वविद्यालय अनुदान आयोग, 2. संघ लोक सेवा आयोग, 3. रेलवे बोर्ड, 4. भारतीय रिजर्व बैंक, 5. केन्द्रीय समाज कल्याण बोर्ड।

अनुशंसित पुस्तकें :

(अ) मुख्य पुस्तकें :

1. वाल्डो : एडमिनिस्ट्रेटिव स्टेट
2. फील्ड : गवर्मेंट इन मार्डन सोसायटी
3. राव : प्लानिंग कमीशन
4. आई.आई.पी.ए : ऑर्गेनाइजेशन ऑफ द गवर्मेंट ऑफ इण्डिया।

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5. जियाउद्दीन खां एव अंतर सिंह : प्रशासनिक संस्थाएँ

6. डॉ. एच.सी. शर्मा : प्रशासनिक संस्थाएँ

7. रिपोर्ट ऑफ फाइनेन्स कमीशन ऑफ इंडिया

8. एम.जी. गुप्ता : मॉर्डन गवर्नमेंट

(ब) संदर्भ पुस्तकें :

1. गार्बिन : सिस्टेमेटिक पॉलिटिक्स

2. साल्ट : पॉलिटिकल इंस्टीट्यूशन : ए प्रीफेस

(स) पत्रिकाएँ

1. इंडियन जर्नल ऑफ पब्लिक एडमिनिस्ट्रेशन, नई दिल्ली।

Paper-II : State·Administration in India

Section - A

Present Status of State Administration in India. General background of State Administration in India. States with special reference to the State of Rajasthan.

The Office of the Governor—Powers, Functions and Role in State Administration, Relationship with Council of Ministers.

The Office of the Chief Minister—Powers, Functions, Role and Importance of the Office, Relationship with Council of Ministers.

Organization of the State Secretariat. Organization and working of the Departments of Home, Finance and Agriculture in Rajasthan. Chief Secretary—its Role and Significance in State Administration.

Section - B

Organization and working of the following Boards Companies and Directorates in the State of Rajasthan :

(a) Revenue Board

(b) Rajasthan State Electricity : Companies

(c) Directorate of Agriculture

(d) Directorate of Education.

Section - C

Personnel Administration : Role of the State Civil Services in Rajasthan (R.A.S., R.P.S. etc.), Organization and working of the Rajasthan Public Service Commission, Training of State Civil Services, Organisation and Functions of State Training Institutes in Rajasthan, Rajasthan Civil Service, Appellate Tribunal.

District Administration : Organization of District Administration. District Collector : Functions and Position.

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Revenue Administration at the District and below level, the role of S.D.O., Tehsildar and Patwaris.

Books Recommended :

A. Core Books :
1. S.R. Maheshwari : Indian Administration.
2. S.S. Khera : District Administration in India.
3. M.V. Pylee : Indian Constitution (Hindi also).
4. A.R.C. : Report on State Administration.
5. A. Zabier & Gupta : Organization of Government of Uttar Pradesh.
6. Dr. H.C. Sharma : Bharat Mein Rajya Prashasan.
7. सी.एम. सिंह एवं अन्य : राजस्थान में राज्य प्रशासन।

B. Reference Books :
1. D.P. Singh : Readings in Indian Administration.
2. S.L. Verma : Revenue Board in Rajasthan.
3. I.I.P.A. : Revenue Board.
4. Rajasthan Government Secretariat Manual.
5. Rajasthan Government : Report of Administrative Reforms Committee (Mathur Committee Report, 1963).
6. Rajasthan Government : Report of the Committee on Training, 1963.
7. H.C.M. Institute : Management of Higher Personnel of Public Administration.
8. I.I.P.A. : Indian Journal of Public Administration (State Administration Special Number July-September, 1976).
9. J.D. Shukla : State and District Administration in India.
10. B. Mehta : Dynamics of State Administration.
11. Annual Report of the Departments of the Government of Rajasthan, Jaipur.

C. Journals :
1. Indian Journal of Public Administration (New Delhi).
2. Prashashnika : H.C.M.R.I.P.A., Jaipur.
3. Management in Government, Delhi.

पाठ्यक्रम :

द्वितीय प्रश्न पत्र : भारत में राज्य प्रशासन

प्रथम खण्ड

भारत में राज्य प्रशासन की वर्तमान स्थिति, राजस्थान के विशेष संदर्भ में, भारत में

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हिन्दी उत्तर आई.आई.पी.ए. : विषय बोर्ड

4. राजस्थान गवर्नमेंट सेक्रेटरीएट मैनुअल

5. राजस्थान गवर्नमेंट रिपोर्ट ऑफ एडमिनिस्ट्रेटिव रिफार्म्स कमेटी (माथुर कमेटी)

6. राजस्थान गवर्नमेंट : रिपोर्ट ऑफ दी कमेटी ऑन ट्रेनिंग, 1963

7. एच.सी.एम. इन्स्टिट्यूट : मैनेजमेंट ऑफ हायर सिविल ऑफ पब्लिक एडमिनिस्ट्रेशन

8. आई.आई.पी.ए. : इंडियन जनरल ऑफ पब्लिक एडमिनिस्ट्रेशन नम्बर; जुलाई-सितम्बर, 1976

9. जे.डी. शुक्ला : स्टेट एण्ड डिस्ट्रिक्ट एडमिनिस्ट्रेशन इन इंडिया

10. बी. मेहता : डायनेमिक्स ऑफ स्टेट एडमिनिस्ट्रेशन

11. खुजान सिंह : ऑफ द डिपार्टमेंट ऑफ द गवर्नमेंट ऑफ राजस्थान, जयपुर

(स) पत्रिकाएँ :

1. इंडियन जनरल ऑफ पब्लिक एडमिनिस्ट्रेशन (नई दिल्ली)

2. प्रशासनिका : एच.सी.एम. रीपा, जयपुर

3. मैनेजमेंट इन गवर्नमेंट, दिल्ली

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12- B.A. Part - II

DRAWING & PAINTING

SCHEME :

Theory Paper I	Duration	M.M.	Min. Pass Marks
History of Indian Painting and Sculpture	3 hrs.	90	$32^{1/2}$
Practical Paper II			
Part A- Study from Bust (Portrait)	3 hrs.	45	$32^{1/2}$
Part B-Creative Portrait (Rendering)	3 hrs.	45	
Submission of Practical Works		20	07
Total		**200**	**72**

Paper I : History of Indian Painting and Sculpture

Note : The paper consist of two parts :-

Part –I: Carries 30 marks and consist of 15 short type questions of 2 marks each.

Part –II: Carries 60 marks divided into three sections 4 questions of 15 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

Prehistoric Rock Paintings, Art of Indus Valley Civilization, Jogimara, Ajanta, Bagh, Sigiriya Caves Paintings.

Pal and Apbhransh Painting.

Rajasthani School – Mewar, Kishangarh, Jaipur and Bundi style of painting.

Pahari School – Basohali and Kangra style of Painting.

Section – B

Company School

Raja Ravi Varma, Bengal School – Abnindranath Tagore, Nandlal Bose

Other Indian Artist – Yamini Roy, Rabindranath Tagore and Amrita Shergil

Section –C

History of Indian Sculpture – Maurya Period – Ashoka Pillars, Yakshni of Didarganj and Yaksh Murtishilp.

Sunga Period – Sanchi

Kushan Period, Gandhara and Mathura Sculpture.

Sculptures of Gupta Period.

Books Recommended:
1. Studies in Indian Art - V.S. Agarwal, Varansi, 1965
2. History of Fine Arts in India & Ceylon - Vincent A. Smith (edited by K. Khomalalwala), Bombay, 1930
3. History of Indian and Indonesian Art - A.K. Coomaraswamy, London, 1927
4. Indian Painting - Percy Brown. Calcutta, 1918
5. Survey of Indian Sculpture - S.K. Saraswati, Calcutta, 1657
6. Bhartiya Chitrakala - Rai Krishandas, Bharti Bhomdar Leader Press, Ellahabad, 2023 A.D.
7. भारतीय मूर्तिकला – राय कृष्ण दास, नागरी प्रचारिणि सभा, काशी
8. Kala Vilas - Dr. R.A. Agarwal. D.S.A. Books international, Meerut, 2015
9. Bhartiya Chitrakala - Vachaspati Gerola. Mitra Prakashan Pvt. Ltd., Ellahabad, 1963
10. Fundamental of Indian Arts - S. Das Gupta.
11. भारतीय चित्रकला का संक्षिप्त इतिहास – शर्मा, लोकेश चन्द्र, कृष्णा प्रकाशन मीडिया (प्रा.लि.)
12. Bhartiya Chitrakala ka Itihas - Avinash Bahadur Verma, Prakash Book Depot, Bairali, 1968

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Paper- II Part-A : Study from Bust (Portrait)

Medium Water/ Oil Colour	Size ½ Imperial
Duration : 4 hrs.	Max. Marks : 45

Study from bust (Portrait Painting) showing broad masses of light and shade, clearly bringing out the modelling of the figure and drapery.

Part – B : Creative Portrait (Rendering)

Two Dimensional Creative Portrait should be rendered with emphasis on stylization, colour scheme and textures etc.

Medium –Any Medium	Size ½ Imperial
Duration : 2 hrs.	Max. Marks : 45

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 of portrait. There will be a break of one hour after first session. Second session will be of two hours for practical of Creative Portrait (Rendering). Both the parts should be completed on the same day. The student should be allowed to use any style of composition in the examination.

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

(a) Five plates from bust study in colour and three plates form bust study in pencil or charcoal.
(b) Five Plates form creative portrait in colour and three plates form creative portrait in pencil or charcoal.
(c) A sketch book of not less than 50 sketches.

Instruction for submission :

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

Note:
(a) Candidate should pass in theory as well as in practical paper separately.
(b) There should be minimum 10 hours for the regular study including two hours for sketching.
(c) Minimum three demonstrations should be arranged by the subject expert during the session for each practical paper.
(d) The Department should also arrange for an Educational tour to Ancient Art centres like Ajanta, Ellora, Elephanta, Khujraho, Mahabalipuram etc. once a year.
(e) Practical examination will be conducted at the centres and the practical work will be examined like the practical paper of Music or Home Science which means that an external examiner will examine the answer books in consultation with and internal examiner who is the subject teacher of the Department of Drawing and Painting. University may centralize the practical examinations at few well equipped Departments to hold examination economically.

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13. SOCIOLOGY

Scheme for B.A. (Pass.) Course (II Year) for the academic session 2018-19

SOCIOLOGY

Scheme:

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

नोटः— समाजशास्त्र के दो प्रश्न–पत्र होंगे। प्रत्येक प्रश्न–पत्र 3 घण्टों में विभाजित होगा। प्रत्येक प्रश्न–पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक–एक अंक के 20 लघु प्रश्न होंगे तथा प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। दूसरे अनिवार्य प्रश्न के अंतर्गत दो–दो अंको के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 40 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न–पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घंटे की अवधि प्रश्न–पत्र के इस भाग के लिए निर्धारित होगी।

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

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

Note: There shall be two papers in all, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts Part I shall carry 40 marks. There shall be 2 questions in Part-I, first question will consist of 20 short questions of 1 mark each, carrying a word limit of 20 words. The second question will consist of 10 questions of 2 marks each, carrying a word limit of 40 words. Marks may be deducted if the word limit is exceeded. This part of the question paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

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

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Paper I - Social Research Methods

A Scientific Study of Social Phenomena

The scientific method, Steps in Social Research, Objectivity and subjectivity in social science
Hypothesis; Sources & Types

Types of Research: Basic and Applied; Historical and Empirical
Descriptive, Exploratory, Explanatory, Experimental

Unit II: Research Methods and Techniques:

Quantitative and Qualitative methods
Qualitative techniques: Observation, Case Study, Content Analysis
Quantitative techniques: Survey, Questionnaire, Schedule and Interview Guide

Unit III: Classification and presentation of data

Sources of Data: Primary and Secondary.
Tables, Graphs, Histograms, Measures of central tendency

References :

Nagaraj and Gupta. 1972. Elements of Statistics. New Delhi: R.Chand and Co.
Beteille, A and T.N.Madan. 1975. Encounter and Experience: Personal Accounts of
Fieldwork. New Delhi: Vikas Publishing House.
Bryman, Alan. 1988. Quality and Quantity in Social Research. London: Unwin Hyman.
Garrett, Henry. 1981. Statistics in Psychology and Education. David Mckay. Indian
Edition - Mrs.A.F. Sheikh For Vakils, Bombay, Tenth Reprint.
Ram, N. 1989. Sociology: Methods and Theory. Madras: MacMillian.
Kothari, C.R. 1989. Research Methodology: Methods and Techniques, Bangalore, Wiley
Eastern.
Punch, Keith. 1996. Introduction to Social Research. London: Sage.
Shipman, Martin. 1988. The Limitations of Social Research. London. Sage.
Srinivas, M.N. and A.M.Shah. 1979. Fieldworker and The Field. Delhi: Oxford.
Young, P.V. 1988. Scientific Social Surveys and Research

Paper II - Rural sociology

Unit I : Introduction to Rural Sociology

Nature, Scope and subject matter of Rural Sociology, Importance of the study of Rural Society.

Basic concepts: Peasent Society, Agrarian Society, Parochilization, Universalization, little and great tradition, Rural-Urban Continuum

Unit II : Social Structure of Rural India

Family, Caste, Kinship, Religion

Power relation and rural polity

Caste Panchayats

Unit III : Rural Transformation in India

Panchayati Raj, 73rd Ammendment, Community Development Programme, Green Revolution and its Impact

Globalization & its impact on agriculture

ESSENTIAL READINGS:

A.R.Desai 1959 Rural Sociology India, Popular Prakashan, Bombay.

Rao M.S.A. 1974 Urban sociology in India, Orient Longman, New Delhi.

A.R.Desai 1979 Rural India in Transition, Popular Prakashan, Bombay.

Sociology 31

Alfred D' souza 1978 The Indian City; Poverty , Ecology and Urban development,

Manohar, New Delhi.

Ramakrishna Mukarjee The dynamics of rural society, Berlin A C. Mukherjee 1957

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SYLLABUS FOR THE SECOND YEAR B.A. IN FRENCH

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: GRAMMAR   3 hours   75 marks

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

1. Les adverbs.
2. Les prépositions de lieu.
3. Les pronoms COD, COI, y, en, relatifs (qui, que, où, dont), le pronom personnel on, et les pronoms démonstratifs.
4. la comparaison de l'adjectif et de l'adverbe (plus, moins, aussi, autant que...).
5. L'impératif, la forme et la place des pronoms réfléchis à l'impératif.
6. Le futur et les marqueurs temporels du futur.
7. Les adjectifs et les pronoms indéfinis.
8. Les adjectifs qualificatifs et leur place.
9. Conditionnel présent.
10. Participe présent et gérondif.
11. Le subjonctif présent.

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ү Le Discours rapporté.
ı3. L'obligation (devoir, il faut, impératif)
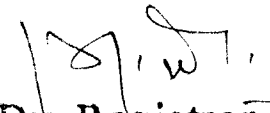

PAPER II : WRITTEN EXPRESSION   3 hours   75 marks

Part A: Write TWO letters on the THREE given topics   (25x2=50 marks)
Topics covered in class are as follows:

1. Write a letter to a friend describing your city
2. Write a letter to a friend inviting him on a birthday party.
3. Write a letter to your friend congratulating him on his Birthday/Job/Success in exams.
4. Write a letter to your friend describing your recent vacations.
5. Write a letter to a friend accepting an invitation.
6. Write a letter to a friend refusing an invitation.

Part B: Write ONE essay out of 4 topics given below. Word limit 300 words   25 marks
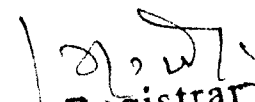
Topics covered in class are as follows:

1. My hobbies
2. My future plans
3. My favourite film
4. An unforgettable day

PAPER - III VIVA -VOCE   50

Teaching Books/material

1. J.Pecheur, J. Girardet, *Echo* (A2) Livre de l'élève. Paris, Cle International, 2009.
2. J. Pecheur, J. Girardet, *Echo* (A2) Cahier d''exercices. Paris, Cle International, 2009.

Reference books :

1. Girardeau, Bruno et Nelly Mous. Réussir le DELF A2. Paris: Didier
2. Larousse compact Dictionary: French-English/ English-French
3. Conjugaison - Le Robert & Nathan

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15. 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: GRAMMAR & QUESTIONS FROM THE TEXT   75

(a) Grammar   45

(b) Answer the questions based on TWO UNSEEN PASSAGES (15×2=30)   30

PAPER II : WRITTEN EXPRESSION

Max marks   75   Time 3Hrs

    A. Write TWO letters on the THREE given topics   (25x2=50 marks)

Topics covered in class are as follows:
1. Write a letter to a friend describing your city
2. Write a letter to a friend inviting him on a birthday party.
3. Write a letter to your friend congratulating him on his Birthday/Job/Success in exams.
4. Write a letter to your friend describing your recent vacations.
5. Write a letter to a friend accepting an invitation.

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6   Write a letter to a friend refusing an invitation

B   Write ONE essay out of 4 topics given below. Word limit 300 words   25 marks

Topics covered in class are as follows:
1. My hobbies
2. My future plans
3. My favourite film
4. An unforgettable day

PAPER - III VIVA -VOCE
Recommended Books:

Teste Dein deutsch -1

Teste Dein Deutsch – 2   50

Tangram   1 aktuell 1. Aufl. By Rosa-Maria Dallapizza u.a. Max
Hueber Verlag. Ismaing, 2004
Studio-D 1A with work book and CDs
Or Lagune 1A with work book and CDs (Left to the selection of
books to the CoC as per availability and convenience)
Eindrücke-Einblicke Lehr- und Arbeitsbuch
Deutsche Sprachlehre für Ausländer – Dora Schulz & Heinz
Griesbach
Grammatik der deutschen Sprache by Helbig Buscha

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16. HOME SCIENCE

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 II

Paper	Subjects	Duration of exam	Maximum marks	Minimum marks	No. of hrs/wk
Theory Paper III	Human Development	3hrs	50	18	3
Practical III	Human Development	3hrs	50	18	2
Theory Paper IV	Textiles and Clothing	3hrs	50	18	3
Practical IV	Textiles and Clothing	3hrs	50	18	2
		Total	200	72	10

B.A. PART-II

HUMAN DEVELOPMENT (THEORY PAPER III)

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

Objectives:-
1. To acquaint the student with the scope and foundation of human development.
2. To understand development through different life span stages.
3. To learn regarding the significant developmental tasks of each stage.

Contents | Hours

UNIT I
1. Definition and scope of Human Development as a field

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of study.	
2. Principles of development	
	3
3. Role of Heredity and environment and learning and maturation in development.	**3**
4. Factors affecting development.	**3**

UNIT II

Development from conception to adolescence:	7
5. Physical development	
	7
6. Motor development	
	8
7. Socio-emotional development	
	8
8. Language and cognitive development	

UNIT III

9.	Importance and objectives of early childhood education; impact of deprivation and early stimulation	7
10.	Definitions, functions and types of families; changing roles and challenges faced by Indian Families	8
11.	Understanding differently abled children; definitions, meaning and classification	8
12.	Major development tasks, achievements and problems of adulthood and aging. Need for care and support for aging individuals.	8

References :

1. Santrock JW (2007). Lifespan Development. Tata – McGrawHill. New Delhi. 3rd Ed.
2. Bee H (1995). The developing child. Harper Collins College Publisher.
3. Berk L (2006). Child development. Allyn & Bacon. New York.
4. Cole M and Cole SR (1996). The Development of Children. W.H. Freeman and Company.
5. Rice F (1992). Human Development: A Life Span Approach. Prentice Hall.
6. Rice FP. Marriage and Parenthood. Allyn and Bacon Inc. Toronto.
7. Vidhya Bhushan and Sachdeva (2000). Introduction to Sociology.

HUMAN DEVELOPMENT – PRACTICAL III

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

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Objectives :

1. Students will gain insight into the growth patterns, developmental characteristics and activities of children in a practical situation.
2. They will also learn to understand significant issues related to adolescents, adults and ageing people.

Contents	Hours
1. Anthropometric measurement of children from birth to 6 years. Plotting and interpretation of data as per WHO norms.	4
2. Interviewing mothers of young infants regarding breast feeding schedules, supplementary foods and weaning practices.	3
3. Organizing and conducting play and creative activities of children in a nursery school.	3
4. Preparation and conduction of various activities to enhance overall development of children: physical, motor, language, cognitive, social and emotional.	4
5. Focus group discussion with adolescents to understand their aspirations, educational and career choices.	3
6. Market survey of story books and toys for children. Assessment of the above in terms of quality, cost, durability, safety, attractiveness and developmental appropriateness.	2
7. Preparation of a brief questionnaire to identify the problems faced by adults and aging people in communities. Report the information as individual case profile.	3
8. Preparation of a scrap book on relevant issues of human development.	2

Examination scheme:

1. **Major problem -25 Marks**

   Planning and preparation of various activities to enhance overall development.

   Preparation of interview schedule of feeding for interviewing's mothers of infants.

   Organizing and conducting play.

2. **Minor Problem – 15 Marks**

   FGD

   Preparation of a brief questionnaire to identify problems of ageing peoples.

   Plotting of graph on the basis of anthropometric measurements of children from 02-06 years and its interpretations

3. **Internal – 10 Marks**

TEXTILES & CLOTHING (THEORY PAPER IV)

Maximum Marks: 50
Minimum Marks: 18
Teaching workload: 4 hrs /week
Total teaching workload: 96 hours/year

Objectives:
The course will lead to:

1. Acquaint students with basic knowledge of textiles and clothing.
2. Familiarize the students to make purchase decisions in selection of clothing.
3. Update the students with the recent innovations in the field.
4. Impart knowledge regarding traditional textiles and embroideries of India

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Contents	Hours
Unit – 1	
Textile Study	

1. Fiber — 10
   - Classification
   - Properties and their importance to the consumer with special reference to the care.
   - Natural Fibers
     - (a) Cotton
     - (b) Wool
     - (c) Silk
     - (d) Jute
   - Manmade Fibers
     - (a) Polyester
     - (b) Polyamide
     - (c) Rayon

2. Yarn — 2
   - Simple Yarn
   - Novelty yarn
   - Textured yarn

3. Fabric : Different construction methods : — 8
   - Weaving
   - Parts of loom
   - Steps in weaving
   - Types of weaves: Plain
                      Twill
                      Satin
   - Knitting
   - Felting
   - Lacing
   - Braiding

4. Finishing — 7

   Basic Finishes
   - Bleaching
   - Sizing
   - Desizing
   - Singeing
   - Tentering

   Functional finishes
   - Wash and wear

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... study.	
2. Principles of development	
3. Role of Heredity and environment and learning and maturation in development.	3
	3
4. Factors affecting development.	3

UNIT II

Development from conception to adolescence:	7
5. Physical development	
	7
6. Motor development	
	8
7. Socio-emotional development	
	8
8. Language and cognitive development	

UNIT III

9. Importance and objectives of early childhood education; impact of deprivation and early stimulation	7
10. Definitions, functions and types of families; changing roles and challenges faced by Indian Families	8
11. Understanding differently abled children; definitions, meaning and classification	8
12. Major development tasks, achievements and problems of adulthood and aging. Need for care and support for aging individuals.	8

References :

1. Santrock JW (2007). Lifespan Development. Tata – McGrawHill. New Delhi. 3rd Ed.
2. Bee H (1995). The developing child. Harper Collins College Publisher.
3. Berk L (2006). Child development. Allyn & Bacon. New York.
4. Cole M and Cole SR (1996). The Development of Children. W.H. Freeman and Company.
5. Rice F (1992). Human Development: A Life Span Approach. Prentice Hall.
6. Rice FP. Marriage and Parenthood. Allyn and Bacon Inc. Toronto.
7. Vidhya Bhushan and Sachdeva (2000). Introduction to Sociology.

HUMAN DEVELOPMENT – PRACTICAL III

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

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• Mercerising	
• Sanoforizing	
• Flame retardant	
• Water resistant	
• Moth proofing	
5. Dyeing and Printing	3
• Classification of dyes	
i. Natural	
ii. Synthetic	
• Classification of printing	
i. Direct	
ii. Resist	
iii. Discharge	
6. Technical textiles	2
• Categories and use in daily life	
i. Mobiltech	
ii. Agrotech	
iii. Geotech	
iv. Meditech	
v. Protech	

Unit – II
Apparel Selection and Care

7. Selection of suitable fabrics and garments for different ages – infants, toddlers, pre- school children, school going children, adolescents	15
8. Climate, occasion, occupation, fashion, figure	
9. Clothing for people with special needs: maternity and lactation, old age and physically challenged.	
10. Selection of readymade garments	
13. Appearance– Size, design, line and colours,	
14. Fabric- Durability, ease of care	
15. Workmanship- Cutting, sewing and finishing	
16. Cost & Fitting	
11. Labelling	3
• Textile fiber symbols	
• Care labelling symbols	

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* Care and storage of
    • Cotton
    • Silk
    • Wool
	2

Unit – III
Designing & Traditional Textiles

13. Elements of design –Line, form, colour and texture.	10
14. Principle of design – Proportion, Harmony, Balance and Emphasis	

15. Traditional textile
 	
    • Woven: Brocade
 	
    • Printed ; Sanganer, Bagru, Kalamkari
 	
    • Dyed ;Bandhani,Patola
 	
    • Embroidered ;Kasuti, Kantha, Phulkari, Chikankari, Kutch
	10

References:

1. Susheela Dhantyagi "Fundamentals of Textiles and their care"Orient Longman Ltd.4 [th] edition 1983 Reprinted1994
2. Shrivastave. K.N and Gupta.M "Paramparagat Bhartiya Vastra" Hindi Granth Academy, 2011
3. Bela Bhargava (2003)" Vastra Vigyan avam dhulai kriya" University Book House Jaipur
4. Joseph, M. L. (1988), Essentials of Textiles, 5th edition, Holt Rinehart andWinston, New York.
5. Ruby Jain (2006). "Basic Stitching Processes" CBH Publications

TEXTILES AND CLOTHING (PRACTICAL IV)

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

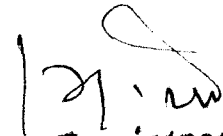| Contents	Hours

Textiles
    Make a Scrap book of the following
1. Fiber samples
    • Cotton fiber from -   (Muslin, 2x2 Rubia , 2x1 poplin, Khadi)
    • Silk fiber from -(Georgette, Chiffon, Crepe, Tussar, Mulberry,)
    • Wool fiber from - Felt (wool)
    • Jute fibre from Gunny Bags & Ropes
    • Nylon fibre from Plastic Cord
    • Polyester fibre from Sewing Thread
    • Rayon fibre from Artificial Silk Dupatta
2. Yarn : Ply, textured and metallic yarn
	5

abric Samples: Woven, Knitted and Non woven - Felt (wool)
 4. Collection of care labels washing, ironing, dry-cleaning, bleaching
 5. Fiber symbols (cotton, wool, silk)
 6. Technical textiles : Bandages & Scotch Brite
 Clothing
 7. Clothing techniques (sample of each)
      • Simple stitches – hemming and tacking
      • Seam – plain, French and run and fell
      • Dart – straight and curve
      • Tucks – Pin tucks
      • Pleat – knife, box
      • Gathers – simple gathers
      • Finishing of curve – piping and facing
      • Placket opening – continuous wrap & two piece placket
      • Garment construction - 'A' line frock with any sleeve and Collar
      • Embroider the frock using few basic stitches
 8. Tie & dye prepare two sample through any 2 techniques
 9. Product design – construction of any one product
      • Two cushion covers
      • Shoulder Bag with any fastener
      • Pouch with zip
	10
	
	 3
	 6

Examination scheme

Total Marks: 50 marks

1. **Major problem – 25 marks**
   Construct any one garment
   Drafting and cutting of a garment
   Stitching and finishing of a garment
2. **Minor Problem – 15 marks**
   Identification of textile yarn / fabrics
   Tie and dye one sample using two colours and two different techniques / two samples of any clothing techniques
3. **Internal -10 marks**

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17 TEXTILE-CRAFT

SCHEME: B.A/B.Com PART-II

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

Syllabus (Theory):

Paper-I : Weaving Theory-I

UNIT-I

Yarn numbering system –Indirect (cotton, metric, woollen and worsted count) and Direct (Tex and Denier)

Yarn Twist and their types, Balance of fabric

Methods of fabric construction: Braiding &Lacing, knitting, felting and weaving
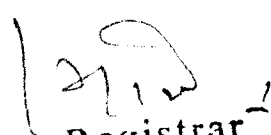
UNIT-II

Types of loom- Shuttle & Shuttle less; introduction to shuttleless looms- airjet, waterjet, projectile and rapier loom

Preparation of Warp and Weft for weaving

Draft, Peg plan, Weave, Repeat, Design

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UNIT-III

Derivatives of Plain weave- Rib and Basket

Derivative of twill weave- Regular, Irregular, Left hand, Right hand, Pointed and curved twill

Fabric defects, Selvedge, Types of Selvedge's

Paper-II: Dyeing Theory -I

UNIT-I

Difference between dyeing and printing

Mechanical finishes- basic process of beating, singeing, napping, calendaring and embossing.

UNIT-II

Stages of Dyeing (fibre, yarn & fabric)

Wool dyeing and silk dyeing

Dyeing machines- Jigger and Winch dyeing machine

UNIT-III

Steps of printing- preparation of cloth & colour

Methods of Direct printing- Block & Roller printing

Thickeners and types of thickeners

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Practical (Paper-I)

1. Thread count and Balance of the cloth

2. Weave samples of derivatives of plain and twill weave

Practical (paper-II)

1. Introduction to motif, repeat and layout
2. Block printing- samples preparation

3. Batik-spot, crack, scratch and painting (samples)

Submission (paper-I)

1. Assessment of samples
2. Preparation of weave samples

Submission (paper-II)

1. Any one article using block
2. Any one article using batik

Examination Scheme:

One Major Problem: 20 Marks

One Minor Problem: 15 Marks

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18. INVESTIGATIVE BIO-TECHNOLOGY

Scheme :	Min. Pass Marks	Max. Marks
Paper-I	40	
Paper-II	40	
Paper-III	40	
Practical	120	

Paper–I: Bio Chemistry and Systemic Bacteriology   Max. Marks–40

Section – A

Bio-Chemistry II

1. Blood sugar and its regulation
2. Chemical examination of urine
3. Glucose tolerance test
4. Diabetes emllitus, Ketosis, Diabetic coma
5. Non-protein nitrogenous compounds
6. The Plasma Proteins and A.G. Ratio
7. Lipids
8. Enzymes
9. Tests of Gastric Function. Occult Blood
10. Test in Liver and Biliary Tract Disease
11. Tests in Pancreatic Disease, Steatorrhoea
12. Acid Base Regulation
13. Basal Metabolism, Blood Oxygen
14. Regulation of pH in blood and body fluids
15. Vitamins and their tests
16. Chemical Examination of Cerebrospinal fluid
17. Milk Analysis

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18. Stones (Urinary and Gallbladder)
19. Faecal Pigments
20. Drugs and Poisons, alcohol
21. Water management and its analysis.

Section – B

Systemic Bacteriology and other microbes

1. Classification of bacteria
2. Normal bacterial flora and its importance
3. Introduction and Laboratory methods of identification of:
   (i)   Staphylococci
   (ii)   Streptococci
   (iii) Pneumococci
   (iv)   Neisseria
   (v)   Diphtheria
   (vi)   Anthrax
   (vii) Clostridia
   (viii) Enteric Gram Negative Rod
   (ix)   Cholera
   (x)   Pseudomonas
   (xi)   Haemophillas and Borde-tella
   (xii) Spirochetes
   (xiii) Spirillum and Leptospira
   (xiv) Ricetsial and Chalmydia
4. Mycology : General characters of Fungi : Yeast like fungi and their diseases; Dermatophytoses
5. Virology : general characters and classification, Diagnostic methods, materials collected for virus isolation and preservation of material.
6. Bacteriology of water, milk and food.

Paper-II : Serology and General Pathology Max. Marks : 40

Serology :

1. Antigens and antibodies
2. Complement and fixation text
3. Aggultination
4. Precipitation
5. Flocculation
6. Neutralization
7. Immunofluorescence

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8. Immune electrophoresis
9. Serology of Syphillis
10. Haem Aggulution and Haem Aggulution Inhibition
11. Skin Tests

Section – B

General Pathology

1. Introduction to pathology (Morbid Anatomy and Histology)
2. Degeneration, Necrosis and gangarene and how to recognise them
3. Infection, Thrombosios and Embolism
4. Inflammation
5. Neopiasia, Benign and Melignant tumors

Practical   (75×3 periods)   Max. Marks 120

Unit-I

Bio-Chemistry

1. Cholesterol, Triglycorides, H.D.L., L.D.L.
2. Enzymes, S.G.O.T., S.G.P.T., L.D.H.
3. Alkaline and Acid phosphatase
4. F.T.M. Gastric analysis
5. Serum Electrolytes
6. Principle and application of Spectrophotometer, Turbidimeter and chromatography.
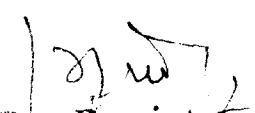
Unit-II

A. Haematology :

1. Erythrocyte Sedimentation Rate (E.S.R.) and Packed Cell Volume (P.C.V.) and Total R.B.C. count
2. Red cell indices and their calculation
3. Staining of Reticulocyte and their counting
4. Total Eosinophil Count
5. Cyto chemical stains used in bone Marrow and P.B.F. for diagnosis.
6. Blood Grouping and Rh typing and cross matching.
7. Anti "D" Titresw in Maternal blood.
8. Coomb's Test.
9. Demonstrations of collection of Blood for transfusion.

B. Serology and Bacteriology:

1. Cleaning and sterilisation
2. Widal Test

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3. Brucella Aggultination.
4. Alberts Stain and Neisser Stain.
5. A.F.B. Stain
6. Concentration method of A.F.B.
7. Smears of Leprosy (Nasal Smear Slit Smear)
8. Staining and examination of prepared smears of Pus, Sputum conjunctive etc. by GRAMS-A.F.B. (R.N. Method)
9. Demonstration of instruments for sterilization.
10. Composition of common laboratory cultures media.
11. Demonstration of some common types of growth of micro organism on different media.
12. Preparation and Staining of Smears from cultures.
13. Demonstration of Special Biochemical tests used in identification of organis ms.
14. Collection of urine for culture from females, males and children, taking of throats swabs/conjunctival swabs.

C. *Cytology and Histology :*

1. Microscopy of urine and C.S.F.
2. Semen exmaination for sperms count and motility.
3. Demonstration of the paraffin embedding, sectioning for histopathology.
4. Himotoxyline and eosine staining of paraffin section and taking and staining of smears for sex chromation.
5. Making and fixing of smears from urine, sputum and Vaginal etc. for cytology.
6. Staining of smears for exfoliative cytology.

Practical - Bases on Theory syllabus - Max. marks 50

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THEORY PAPER-I

Fashion and Apparel Design

B.A./B.COM.	MM- 30	HRS-3
B.SC.	MM- 50	

SECTION -A

TRADITIONAL COSTUMES

1. Study of traditional costumes of various regions of india.
2. History of costumes of Indian civilization.
3. Brief knowledge of world costumes : French , german ,greek , European .

SECTION -B

TECHNIQUES IN PATTERN MAKING

4. Eight head theory- principles and advantages.
5. Pattern making techniques – drafting , draping , flat pattern .
6. Colour and colour schemes, psychological effects of colour on clothes.
7. Fitting – principles of fitting, factors to be considerd while fitting, common fitting problems, remedying fitting defects of bodice, sleeves , and skirts.

SECTION -C

DESIGN

8. Classification of design – structural and decorative

9. Elements and principles of design .

10. layout of design of fabric in cutting- floral,checks,plaids,lines.

References:

1. Erwin,kinchen-clothing for moderns :macmillan publishing,new York.

2. Mathews mary -practical clothing construction I&II cosmic press,madras

3. Doonga ji S.and deshpandey R. -basic process of clothing construction

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PAPER-II

ELEMENTS OF MARKETING AND FINANCE

B.A./B.COM. –M.M 50   HRS.-3

B.SC.-M.M. 60

SECTION A

1. Market structure –Types of market, market survey, elements of cost.

2. History of readymade garment industry. Problem and prospects in global market.

3. Branded vs nonbranded market.

4. Types of garments exported.

SECTION B

5. Elementary knowledge of working capital, factors affecting working capital, operating cycle.

6. Sources of finance.

7. Letter of credit

8. Methods of payment in foreign trade.

9. Various types of bills.

10. Insurance

SECTION   C

Brief study of:

11. ECGC (export credit and guarantee corporation)

12. EIC (export inspection council)

13. IIP (Indian institute of packaging)

14. ICA (Indian council of arbitration)

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Referances:

1.srivastav and aggarwal:vipdan prabandh.

2.mamoria joshi:salesmanship&practice of marketing in india.

3.satya narayan:sales management.

4.daver,R.S.:salesmanship and publicity.

B.SC./B.A./B.COM. PART –II

PRACTICAL – I

APPAREL DESIGNING

B.A./B.COM. –M.M 60   HRS.-4

B.SC.-M.M. 25

1.Colour wheel and colour scheme .

2.Introduction to eight head theory and stick figure 9.5",10.5".

3.Developing an adult croquis from block figure.

4.Draping of garments on croquis (at least 8 sheets) using different colours schemes and occasions.

5. Preparation of a portfolio.

.B.SC./B.A./B.COM. PART –II

PRACTICAL – II

CLOTHING CONSTRUCTION

B.A./B.COM. –M.M 60   HRS.-4

B.SC.-M.M. - 25

1. Pattern making:

i)child, basic block and sleeve block.

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ii) .sleeve variations: slash and spread method-puff ,bell,legomutton bishops sleeves.

iii). sleeve bodice combination:Magyar,raglan,dolman sleeves.

iv).different types of collars.

v.) different types of yokes.

2.Stitching of each sleeve ,collar, and yokes on bodice block.

3.Fashion designing (5 each) on sheet :baby frocks, a-line frocks, rompers, sunsuits, skirts and tops, bu-shirts with shorts.

4.Redesigning of old garment using the idea such as: to consider factors such as money , creativity, individuality, skills, needs,

i). piecing or patchwork

ii).use of special fabric.

iii)use of decorative embroidaries

iv)trims

v)paints and dyes

5.Introduction of fashion designing in fashion shows.

References:

1.kallal mary jo,construction.

2.mitchell Beazley, the sewing book of a complete practical guide.

3.ireland fashion designing drawing and presentation.

4.renee weiss chase, CAD for fashion design.

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20. MATHEMATICS

BA P4-II
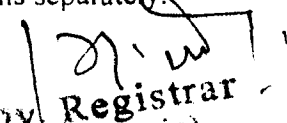
Teaching : 3 Hours per Week per Theory Paper.
2 Hours per Week per Batch for Practical
(20 candidates in each batch)

Examination:

	Min.Pass Marks		Max. Marks
Scheme:	Science – 54		150
	Arts – 72		200
		Duration	Max.Marks
Paper – I	Real Analysis and Metric Space	3 hrs.	40 (Science)
			53 (Arts)
Paper – II	Differential Equations	3 hrs.	40 (Science)
			53 (Arts)
Paper – III	Numerical Analysis and Vector Calculus	3 hrs.	40 (Science)
			54 (Arts)
Practical	Numerical Methods	2 hrs.	30 (Science)
			40 (Arts)

Note:

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

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

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

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

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Paper – I: Real Analysis and Metric Space
Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   **Max. Marks: 40 (Science)**
                                                                                    53 (Arts)

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

Unit 1: Real numbers as complete ordered field, Limit point, Bolzano-Weierstrass
theorem, Closed and Open sets, Union and Intersection of such sets. Concept of
compactness. Heine-Borel theorem. Connected sets.
Real sequences- Limit and Convergence of a sequence, Monotonic sequences.

Unit 2: Cauchy's sequences, Subsequences. Cauchy's general principle of convergence.
Properties of continuous functions on closed intervals. Properties of derivable functions.
Darboux's and Rolle's theorem.

Unit 3: Notion of limit, continuity and differentiability for functions of two variables.
Riemann integration – Lower and Upper Riemann integrals, Riemann integrability, Mean
value theorem of integral calculus. Fundamental theorem of integral calculus.

Unit 4: Functions of bounded variations Sequence and series of functions – Pointwise
and Uniform convergence, Cauchy's criterion. Weierstrass M-test, Abel's test, Dirichlet's
test for uniform convergence of series of functions, Uniform convergence and Continuity
of series of functions. Term by term differentiation and integration.

Unit 5: Metric space – Definition and examples, Open and Closed sets, Interior and
Closure of a set. Limit point of a set.
Subspace of a metric space, Product space, Continuous mappings, Sequence in a metric
space, Cauchy sequence.

Reference Books:

1. Shanti Narayan and M.D. Raisinghania, Elements of Real Analysis, S. Chand &
   Co., N.D., 2008.
2. S. Kumaresan, Topology of Metric Spaces, Narosa Publishing House, Second
   Edition 2011.
3. K.A. Ross, Elementary Analysis: The Theory of Calculus, Undergraduate Texts in
   Mathematics, Springer (SIE), Indian reprint, 2004.
4. R.G. Bartle D.R. Sherbert, Introduction to Real Analysis (3rd edition), John Wiley
   and Sons (Asia) Pvt. Ltd., Singapore, 2002.
5. Charles G. Denlinger, Elements of Real Analysis, Jones and Bartlett (Student
   Edition),2011
6. G. F. Simmons, Introduction to Topology and Modern Analysis, Mcgraw-Hill,
   Edition 2004
7. T.M Apostol, Mathematical Analysis, Narosa Pub House, N.D., 2000
8. R.R Goldberg, Real Analysis, Oxford & IBH Pub Co., N.D., 1999

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Paper – II: Differential Equations
Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   **Max. Marks: 40 (Science)**
                                                                        53 (Arts)

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

Unit 1: Degree and order of a differential equation. Equations of first order and first degree. Equations in which the variables are separable. Homogeneous equations and equations reducible to homogeneous form. Linear equations and equations reducible to linear form. Exact differential equations and equations which can be made exact.

Unit 2: First order but higher degree differential equations solvable for x,y and p. Clairaut's form and singular solutions with Extraneous Loci. Linear differential equations with constant coefficients. Complimentary function and Particular integral.

Unit 3: Homogeneous linear differential equations, Simultaneous differential equations. Exact linear differential equations of nth order. Existence and uniqueness theorem.

Unit 4 : Linear differential equations of second order. Linear independence of solutions. Solution by transformation of the equation by changing the dependent variable/the independent variable. Factorization of operators, Method of variation of parameters, Method of undetermined coefficients.

Unit 5: Partial differential equations of the first order. Lagrange's linear equation. Charpit's general method of solution. Homogeneous and non-homogeneous linear partial differential equations with constant coefficients. Equations reducible to equations with constant coefficients.

Reference Books:
1. M.D. Raisinghania, Ordinary and Partial Differential Equations, S. Chand & Co., 2003.
2. M.Ray, A Text Book on Differential Equations, Students and Friends Co., Agra, 1998.
3. E.A. Codington, An Introduction to Ordinary Differential Equations, Prentice Hall of India, 1961.
4. R.S. Senger, Ordinary Differential Equations with Integration, Prayal Publ. 2000.
5. D.A. Murray, Introductory Course in Differential Equations, Orient Longman (India), 1967.
6. Frank Ayres, Theory and Problems of Differential Equations, TMH, 2002.
7. I.N. Snedon, Elements of Partial Differential Equations, TMH, 2004.

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Paper – III: Numerical Analysis and Vector Calculus
Teaching : 3 Hours per Week
Duration of Examination : 3 Hours   **Max. Marks: 40 (Science)**
                                                         54 (Arts)

> Note: (i) 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.
> (ii) Non-Programmable Scientific Calculators are allowed.

Unit 1: Differences. Relation between differences and derivatives. Differences of a polynomial. Newton's formulae for forward and backward interpolation. Divided differences. Newton's divided difference, Lagrange's interpolation formula.

Unit 2: Central differences.Gauss's, Stirling's and Bessel's interpolation formulae. Numerical Differentiation. Derivatives from interpolation formulae. Numerical integration. Derivations of general quadrature formulas, Trapazoidal rule. Simpson's one-third, Simpson's three-eighth and Gauss's quadrature formulae.

Unit 3: Relation between the roots and coefficients of general polynomial equation in one variable, transformation of equations. Descarte's rule of signs, solution of cubic equations by Cardon's method, biquadratic equations by Ferari's method.
Numerical solution of Algebraic and Transcendental equations, Bisection method, Secant method, Regula-Falsi method, Iteration method, Newton- Raphson Method (derivation of formulae and rate of convergence only).

Unit 4: Gauss elimination and Iterative methods (Jacobi and Gauss Seidal) for solving system of linear algebraic equations. Partial Pivoting method, ill conditioned systems. Numerical solutions of ordinary differential equations of first order with initial condition using Picard's, Euler and modified Euler's method.

Unit 5: Scalar and Vector point functions. Differentiation and integration of vector point functions. Directional derivative. Differential operators. Gradient, Divergence and Curl. Theorems of Gauss, Green, Stokes (without proof) and problems based on these theorems.

Reference Books:
1. H.C. Saxena, Calculus of Finite Differences and Numerical Analysis, S.Chand & Co., N.D., 1986.
2. Shanti Narayan and J.N. Kapur, A Text Book of Vector Calculus, S.Chand, 1966.
3. Murray R. Spiegel, Vector Analysis, McGraw-Hill, 1959.
4. B. Bradie, A Friendly Introduction to Numerical Analysis, Pearson Education, India, 2007.
5. C.F. Gerald and P. O. Wheatley, Applied Numerical Analysis, Pearson Education, India, 7th edition, 2008
6. C.F. Gerald, P.O. Wheatley, Applied Numerical Analysis, Addison-Wesley, 1998.

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Practical: Numerical Methods
Teaching: 2 Hours per Week per Batch

Examination:		Duration: 2 Hours	
Scheme		Science	Arts
Max.Marks		30	40
Min.Pass Marks		10	13

Distribution of Marks:
Two Practicals one from each group

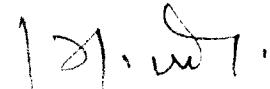|			
10 Marks each	=	20 Marks (13 Marks each)	26
Practical Record	=	05 Marks	07
Viva-voce	=	05 Marks	07
Total Marks	=	30 Marks	40

Group A: Numerical integration using Trapezoidal and Simpson's rules.Numerical solution of Algebraic and Transcendental equations using
(i) Bisection method. (ii) Secant method (iii) Regula-Falsi method (iv) Iteration method, (v) Newton- Raphson Method.

Group B: Numerical Solution of system of linear equations by Gauss elimination, Jacobi and Guass-Seidel methods Solution of linear differential equations of first order and first degree with initial and boundary condition using modified Euler's method. Runge-Kutta Fourth order method

Note:

1. Problems will be solved by using Scientific Calculators (non-Programmable)
2. Candidates must know about all functions and operations of Scientific Calculator.
3. Each Candidate (Regular/non-Collegiate) has to prepare his/her practical record.
4. Each Candidate has to pass in Practical and Theory examinations separately

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21- Economics

Scheme	Min. Pass Marks	Max. Marks
Arts	72	200
Science	54	150

Each paper shall be of three hour duration and of 100 marks for Arts students and of 75 marks for Science students.

Paper – I   Introductory Macro Economics

Paper – II (a) Elements of Statistics and Mathematics

   (b) History of Economic Thought

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. Each question will carry 20 marks for Arts students and 15 marks for Science students.

Paper-I

Introductory Macro Economics

Section-A

Macroeconomics. Meaning. Subject matter and Importance, Basic tenets of Classical, Keynesian, New-Classical and New-Keynesian economics, Macroeconomic variables, Circular flow of Income, National Income: Basic concepts, Measurement, Sectoral Accounts, Nominal and Real Aggregates.

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Money: Functions, Demand and Supply Quantity Theory of Money: Transaction Approach, Cash Balance Approach, Keynes' reformulation of the Quantity Theory of Money. Inflation: Meaning and Impact, Theories of Inflation- Demand Pull (Keynesian and Monetarist), Cost Push, Structural Theories of Inflation.
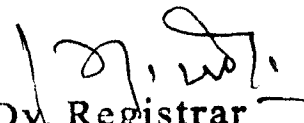
Section-B

Income and Employment Determination: Classical Model and Keynesian Model, Consumption Function: Psychological Law of Consumption, Determinants of Consumption, Paradox of Thrift, Investment Function: Determinants of Investment, Marginal Efficiency of Capital and Marginal Efficiency of Investment, Concept of Multiplier and Accelerator.

Section-C

Central Bank: Organizational set-up and functions of Central Bank (with special reference to RBI). Commercial Bank: Functions, Modern trends of Commercial Banking. Quantitative and Qualitative credit control by RBI. Money Supply: Meaning & Definition, four measures ($M_1, M_2, M_3,$ and M_4). Monetary Policy: Objectives, Targets and Indicators. Transmission Mechanism.

Recommended Books:

1. G.S. Gupta, Macro Economics, Theory and Application, 4th Ed, McGraw Hill, New Delhi.
2. Dornbusch, Fisher and Startz: Macroeconomics, XI Edition, Indian Reprint, Tata McGraw-Hill, Publishing Company Ltd. New Delhi
3. N. Gregory Mankiw, Macroeconomics, Worth Publishers (Latest Edition).
4. H.L Ahuja. (Hindi and English edition) Macro Economics, Theory and Policy; S. Chand & Co. Ltd., New Delhi.
5. Suraj B. Gupta: Monetary Economics, S. Chand and Co. Ltd.
6. L. N. Nathuramka, Prarambhik Samashti Arthshastra, Ramesh Book Publishing House, Jaipur
7. Rana and Verma: Macroeconomic Analysis, Vishal Publications.
8. Richard T. Froyen, Macroeconomics, Theories and Policies, (X Edition), Adapted by Pearson Education.

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Duration : 3 hrs   Max. Marks : 100

Section- A

Surds, Indices, Quadratic Equation, Logarithms, Permutation and combination, Binomial Theorem, Arithmetic Progression, Geometric Progression and Harmonic Progression, Analytical Geometry: Straight Line, Parabola and Hyperbola, Matrices and Determination, Solution of Simultaneous equations by Cramer's rule and Matrix Inverse. Simple differentiation, Partial differentiation (involving two independent variables). Maxima, minima point of inflexion. Simple Integration involving one independent variable, Application in Economics (Elasticity, Average, Marginal concepts)

Section –B
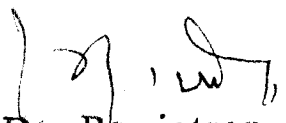
Statistics-definition, nature and importance, Uses and relevance of statistical methods, Census and Sample survey, Methods of data collection and tabulation, Diagrammatic and Graphical representation of data; Measures of Central Tendency: Arithmetic Mean, Mode, Median, Geometric Mean, Harmonic Mean. Concept and Measures of Dispersion and Skewness.

Section – C

Simple Correlation : Karl Pearson's and Rank Correlation, Regression analysis, Fitting of linear Regression lines using Least Square Method, Analysis of Time Series, Determination of trend by straight line trend equation, Index numbers, Interpolation (Binomial Expansion and Newton's method), Association of Attributes.

(Note: Use of non-programmable calculator is permitted)

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Books Recommended:

i. P. C. Mehta and G. M. K. Madnani, Elementary Mathematics for use in Economics, Laxmi Narain Agarwal, Agra
2. S. Gupta, Statistical Methods, Sultan Chand and Sons, New Delhi
3. Speigal, Theory and Problems of Statistics, McGraw Hill Book, London
4. Gupta and V. K. Kapoor, Fundamentals of Applied Statistics, S Chand and Sons, New Delhi.
5. Salvatore, D. Mathematics and Statistics, Schaum's Series, Tata McGraw Hill
6. G. S. Monga, Mathematics and Statistics for Economics, Vikas Publishing House, New Delhi
7. श्री सी मेहता एवं जी एम के मदनानी अर्थशास्त्र में प्रारम्भिक गणित - लक्ष्मीनारायण अग्रवाल, आगरा।
8. किलाशनाथनागर सांख्यिकी के मूलतत्व मीनाक्षीप्रकाशन मेरठ।

Paper – II (b) History of Economic Thought

Section – A

Mercantilism: Views on Trade, Money, Prices, Wages and Employment. Physiocracy: Natural Order; Primacy of Agriculture. Net Product and Circulation of Wealth. Theory of taxation and role of government. Classical School: Adam Smith- Views on Division of Labour, Theory of value, Capital accumulation, Distribution, International trade, Economic Development. Critiques of Adam Smith. T.R. Malthus- Theory of Population, Theory of gluts. David Ricardo- Theory of Value and Distribution, Foreign trade, Economic Development and Theory of Rent.

Section – B

Critiics of the Classical School – Sismondi, Robert Owen, Friedrich List.

J.S Mill: Theory of Value, Views on Production and Distribution. Karl Marx: Efforts at Scientific Socialism. Theory of Money, Labor Theory of Value, Theory of Capital Accumulation and Crisis, Distribution. German Historical School and the Development of Marginalism. Neo-classical School: Marshall-Price Determination and Elasticity, Consumer Surplus, Costs and Economies, Rent and Profit.
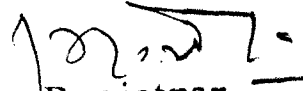
Economic thought of Kautilya, Economic thought of Dadabhai Naroji, Mahatma Gandhi, J.K. Mehta, B.R. Ambedkar and Deendayal Upadhayaya.

Books Recommended:

1. Louise Haney, History of Economic Thought, Surjit Publication, New Delhi
2. Eric Roll: History of Economic Thought, Faber anf Faber (Rupa)
3. Gide and Rist: History of Economic Doctrine
4. M.R. blaug, Economic Theory in Retrospect: History of Economic Thought from Adam Smith to J.M. Keynes, (5th Edition), Cambridge University Press, Cambridge.
5. T.N. Hajela, History of Economic Thought, Anc's Student Edition, Daryaganj, New Delhi.
6. B.N. Ganguli, Indian Economic Thought: A 19th Century perspective, Tata McGraw Hill, New Delhi.
7. J.A. Schumpeter, History of Economic Thought, Oxford University Press.

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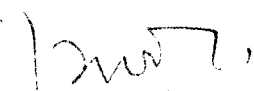
(22) Geography
BA/BSc - P+ -VI

Scheme of Examination

Faculty	Min. Pass Marks	Max. Marks
Arts/Social Science	72	200
Science	54	150
Paper I	Resources Geography	Arts 75
		Science 50
Paper II	Human Geography	Arts 75
		Science 50
Practical	18	Arts 50
		Science 50

Notes

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

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

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

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

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

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

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

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

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

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

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

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Paper I: Resources Geography

Section A

Nature, scope and significance of resources geography, definition and classification of resources: renewable and non renewable resources, resource classification of Zimmerman. Natural Resources: Distribution, exploitation, uses and conservation of forest, water, soils, fisheries, mineral resources, energy resources (coal, petroleum, natural gas and non-conventional energy resources).

Section B

Human resources: Population growth, distribution and density, causes of inequalities, population-resources relationship and problems, Agricultural resources: fisheries and cereal crops: rice, wheat, maize and barley; beverages: tea, coffee and tobacco, commercial crops: cotton, rubber, jute, sugarcane, silk and artificial fibres. Agricultural regions of the world.

Section C

Concepts of Resources utilization, their conservation. environmental and cultural constraints in resource utilization, water conservation and rainwater harvesting, soil and forest resources conservation, land capability classes, resources regions of the world, resources regions of the India, economic regions of the India, sustainable development.

Recommended Readings:

Alexander, E.W. 1988: Economic Geography. Prentice Hall India, New Delhi.
Bunting B.C., 1987: The Geography of Soil. Prentice hall, New York.
कौशिक, एस.डी. 2010: संसाधन भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।
माथुर, बी. 1998: संसाधन भूगोल। रस्तोगी प्रकाशन, मेरठ।
Mitchell, Bruce. 1979: Geography and Resource Analysis. Longmans, London.
Park, C.C. 2001: The Environment-Principles and applicatons. Routledge, London.
Robinson, G.W. 1932 : Soils, their Origin, Constitution and Classification. London.
Shafi, M. 2004: Agricultural Geography. Pearson India.

Paper II: Human Geography

Section A

Definition, aims and scope of human geography, relation of human geography with other social sciences. Principles of human geography, essential facts of human geography

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according to Brunhes and Huntington, schools of man-environment relations: determinism, possibilism and neo determinism

Section B

Human races: evolution and migration, zone-strata theory, classification of races: types, characteristics and distribution. human races in India, tribes of the world: eskimos, bushman, pigmy, masai, badduien and khirgiz; tribes in India: bhils, nagas, santhal, gond, gujjar of Jammu and Kashmir and toda. Population growth and theories, distribution and density of world population.

Section C

Migration of population: causes, types and impact; population regions and population policies in India. Rural settlements: factors affecting development of rural settlement, types and patterns of rural settlements, building materials and house types, urban settlements: process of urbanization, urban problems in India, impact of human activities on environment.

Recommended Readings:

Chandna, R.C. 2000: Geography of Population. Kalyani Publishers; New Delhi.
Dohrs, F.E. and Summners, L.W. (eds.) 1967: Introduction to Geography. Thomas Crowell Co. , New York.
Dear, M.J. and Flusty, S. (ed.) 2002: The spaces of Post modernity, Readings in Human Geography. Blackwell Publishers Ltd., Oxford.
Fellmen, Getis and Getis, J. 1998: Human Geography-Landscape of human activities. Longman, London.
Husain, M. 2012: Human Geography. Rawat Publications, Jaipur.
हारून, एम. 2006: ससाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।
Leong, G.C. and Morgan, E.C. 1982: Human and Economic Geography. Oxford University Press, Oxford 2nd Edition.
कौशिक, एस.डी. 2012: मानव भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।
मौर्य, एस.डी. 2005: जनसंख्या भूगोल। शारदा पुस्तक भवन, एलाहबाद।
पण्डा, बी.पी. 2001. जनसंख्या भूगोल। मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल।
राव, बी.पी. एवं श्रीवास्तव, बी.के. 2008. मानव भूगोल। वसुन्धरा प्रकाशन, जयपुर।
Singh, R.L. 2005: Fundamentals of Human Geography. Sharda Pustak Bhawan, Allahabad.

Practicals

Scheme of examination

Min. Pass Marks: 18   Max. Marks: 50

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

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Section A

Definition of cartography, types of cartographic symbols and their uses, drawing instruments and materials, classification and representation of data with the help of squares, rectangles, circles, spheres, ring, pyramids, wheel diagrams, traffic flow diagram , isochronic chart.

Section B

Classification and uses of maps, drawing of isopleth, choropleth, chorochromatic, choroschematic and dot maps (simple, multiple and multi colour), measures of central tendency and dispersion: mean, median, mode, quartiles, standard deviation.
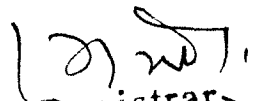
Section C

Elements of map reading. History of topographical maps in India, Scheme of topographical mapping in India as per National Map Policy, 2005. Conventional symbols and interpretation of physical and cultural features on topographical maps.
Prismatic Compass survey: equipments, methods of measurement of bearings, correction of bearings, record of survey closing error and its corrections.

Recommended Readings:

Monkhouse, F. J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London
Mahmood, A. 1993: Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi (fourth revised edition).
Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition.
Singh, R.L. and Singh, Rana, P.B., 1991: Elements of Practical Geography. Kalayani Publishers, New Delhi.
Sarkar. A. K. 1997: Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
शर्मा, जे.पी. 2011: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन्स, मेरठ।
Singh, L.R. 2006: Fundamentals of Practical Geography. Sharda Pustak Bhawan, Allahabad.
Venkatrameiah, C., 1997: A Text book of Surveying. University Press, Hyderabad.

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23. STATISTICS
Marks Scheme

Paper	Nomenclature	Marks	
		Science	Arts
Paper I	Statistical Inference	50 mark	65 marks
Paper II	Statistical Applications in Society and Industry	50 mark	65 marks
Paper III	Practical based on Paper I,II	50 mark	70 marks
	Total	150	200

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

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Paper I
(Statistical Inference)

Unit-1

Sampling from a distribution : Concept of statistic and its sampling distribution. Sampling distribution for mean of Binomial, Poisson and Normal Distribution. Chi-square Distribution: Definition, Derivation, Moments, MGF, CGF, Mode & Skewness Limiting and Additive Property. Distribution of ratio of Chi-sqare varictes A – C

Testing Normal Population variance, Test for Goodness of fit, Contingency table & Independence of attributes. yaic's correction 18 hours

Unit-II

t-Distribution : Definition of Student's t & Fisher's t Statistic and derivations of their distributions, Constants, Limiting Property of 't' distribution. Applications-Testing of Single mean; Difference of two means; paired t test and sample correlation coefficient. F-Distribution : Definition, Derivation, Constants, Application- Testing of equality of two variances. Relationship between t, F and Chi-sqare Distributions. 18 hours

Unit-III

Theory of Estimation: Point Estimation-Concept and Problem for Point Estimation; Criterion of a good estimator (Unbisedness, Consistency, Efficiency, Sufficiency). MVUE. Method of moments Methods of Maximum Likelihood Interval Estimation-Concept, Confidence Interval, Confidence Coefficient, Construction of Confidence Interval for Population Mean, Variance, Difference of Population Means & Ratio of Variances of Normal Distributions. 18 hours

Unit-IV

Testing of Hypothesis: Simple, Composite, Null and Alternative Hypothesis. Types of error, Critical region BCR. Neyman-Pearson's Lemma for BCR. BCR in case of Binomial, Poisson. Normal and Exponential Population. 18 hours

Unit-V

Large sample tests Testing of single mean. proportion. Testing of difference of means and proportions. Non-Parametric Tests-Definition. Merits & Limitations. Sign test one sample and two sample cases. Run Test. Median test. 18 hours

REFERENCES:

1. Goon A.M. Gupta M.K., Das Gupta B. (1991). Fundamentals of Statistics, Vol.I, world Press, Calcutta
2. Hodges J.L. and Lehman E.L. (1964): Basic Concepts of Probability and Statistics, Holden Day.
3. Mood A.M., Graybill F.A. and Boes D.C. (1974): Introduction to the Theory of Statistics, McGraw Hill.
4. McGraw Hill

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5. Freund J F. (2001): Mathematical Statistics, Prentice Hall of India.

6. S.C Gupta & V.K Kapoor: Fundamentals of Mathematical Statistics, Sultan Chand and Sons., New Delhi.

ADDITIONAL REFERENCES:

1. Bhatt B.R Srivenkatramana T and Rao Mahhava K.S (1997). Statistics A Beginner's Test,. Vol.II New Age International (P) Ltd.

2. Rohatgi V.K (1967): An Introduction to Probability Theory and Mathematical Statistics, John Wiley & Sons.

3. Snedecor G.W. and Cochran W.G. (1967): Statistical Methods: Iowa State University Press.

4. E.J. Dudewicz & S.N. Misra: Modern Mathematical Statistics John Wiley and Sons.

Subject : Statistics Paper II

(SATISTICAL APPLICATIONS IN SOCIETY AND INDUSTRY

(Also Common with Subject: Applied Statistics)

Unit-I

Demographic Methods: Sources of demographic data-census, register, adhoc survey, hospital records, demographic profiles of Indian census. Measurement of mortality-Crude death rates, Infant mortality rates. Death rate by cause, Standardized death rate. Complete life table-Construction and its main features. Mortality rate and probability of dying. Relation between different columns of life table uses of life table and its limitations. Measurement of fertility: Crude birth rate. General fertility rate. Specific fertility rate. Total fertility rate. Gross reproduction rate, Net Reproduction Rate,

18 hours

Unit-II

Economic Statistics: Index numbers-Defination. Applications of index numbers. Price relatives, Quantity & Value relatives, Link and Chain Relatives. Problems involved in computation of index number, Use of averages. Simple aggregative and Weighted average methods Laspeyre's Paasche's and Fisher's index number, Tests for index numbers. Consumer price index, 18 hours

Unit-III

Time Series Analysis. Definition its different components, illus-,

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trations. additive and multiplicative models. Different Methods for determination of trend & seasonal fluctuation alongwith their merits & demerits.   18 hours

Unit-IV

Educational Statistics: Methods of standardization of scales and tests. Z-scores. t-scores. Standard scores. Percentile score, Intelligence Quotient and its measurement and uses, validity of test scores reliability of scores and their determination.   18 hours

Unit-V

Statistical Quality Control: Concept of SQC, Process control & Product control. Causes of variation in quality, General theory of control charts. control limits, sub-grouping, Summary of out-of control criteria. Control charts for variables: Construction of Mean and Range charts. Concept of Defects and Defectives. Control Charts for attributes: Construction of np-chart, p-chart, c-chart and their merits and demerits.   18 hours

REFERENCES:

1. Croxton F.E. ,Cowden D.J. (1969): Applied General Statistics, Prentice Hall of India.
2. Duncan A.J. (1974): Quality Control and Industrial Statistics, Taraporewala and Sons.
3. Goon A.M. Gupta M.K. Das Gupta. B. (1986): Fundamentals of Statistics. Vol.II World Press. Calcutta.
4. Grant E.L. (1964): Statistical Quality Control. Mc Graw Hill.
5. Guilford J.P. & Fruchter B. Fundamental Statistics in Psychology and Education (1980). Mc Graw Hill.
6. Guilford J.P. (1954): Psychometric Method. Mc Graw Hill.
7. Srivataya O.S. (1983): A Textbook of Demography. Vikas Publishing.
8. S.C. Gupta & V.K. Kapoor: Fundamentals of Applied Statistics. Sultan Chand and Sons., New Delhi.

ADDITIONAL REFERENCES:

1. Freeman Frank S. (1962): Psychological Testing, Oxford & IBH Publishing Co.
2. Gupta and Mukhopadhyay P.P : Applied Statistics, Central Book Agency.
3. Pressal R(1978): Statistical Demography. Methuen and Co

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Subject : Statistics Paper III
Practical Paper

1. Tests of significance based on t, Chi-square, F. Testing of significance of sample correlation coefficient, use of Z transformation.

2. Large sample tests for means and proportions. Tests of goodness of fit and independence of attributes in contingency tables.

3. Non parametric tests: Sign, Run, Median (for large samples)

4. Computation of mortality and fertility rates. Construction of life table.

5. Construction of Index Numbers by Laspeyre's, Paasche's, Fisher's, Chain Base Indices. Consumer price index.

6. Tests for Index numbers.

7. Determination of trend in a time series and construction of seasonal indices.

8. Drawing of $\bar{X}$, R, $\frac{np}{n}$, p and C-Charts.

APPLIED STATISTICS

Marks Scheme

Paper	Nomenclature	Marks		No. of hours per week
			Science Arts	
Paper I	Statistical Inference	50 mark	65 marks	3 hours
Paper II	Statistical Applications in Society and Industry	50 mark	65 marks	3 hours
Paper III	Practical based on Paper I,II	50 mark	70 marks	4 hours
	Total	150	200	10 hours

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

Subject : Applied Statistics

Paper I (Statistical Inference)

Unit-I

Sampling from a distribution : Concept of statistic and its Sampling distribution. Sampling distribution for mean of Binomial, Poisson and Normal Distribution. Chi-square Distribution. Distribution...moments. χ^2 ...

proof) Applications -Testing Normal Population variance, Test for Goodness of fit; Contingency Table & Independence of attributes. vate's correction.   18 hours

Unit-II

t-Distribution : Definition of Student's -t & Fisher's -t Statistic. Property and Applications of t-distribution for testing-Single mean, difference of two means, observed sample correlation coefficient Paired t-test., F-Distribution : Definition, Mean, Variance & mode. Application of F distribution- Testing of equality of two variances. Relationship between t, F and Chi-square Distributions. without proof.
                                                                 18 hours

Unit-III

Theory of Estimation: Point Estimation- Problems for Point Estimation; Criterion of a good estimator (Unbiasedness, Consistency, Efficiency, Sufficiency), MVUE, Method of moments, Methods of Maximum likelihood Interval Estimation-, Comfidence Interval for mean, variance, difference of means and ratio of variances for normal populations.   18 hours

Unit-IV

Testing of Hypothesis: Simple, Composite, Null and Alternative Hypothesis. Types of error. Critical region. BCR. Neyman-Person's Lemma (statement only) and its application. BCR in case of Binomial, Poisson, and Normal Population.   18 hours

Unit-V

Large sample test-Testing of single mean, proportion. Testing of difference of means and proportions. Non-Parametric Tests-Definition, Merits & Limitations. Sign test for one sample and two sample cases. Run Test. Median test.   18 hours

REFERENCES:

1. Goon A.M. Gupta M.K., Das Gupta B.(1991): Fundamentals of Statistics, Vol.I. World Press, Calcutta.

2. Hodges J.L. and Lehman E.L.(1964): Basic Concepts of Probability and statistics, Holden Day

3. Mood A.M., Graybill F.A. and Boes D.C. (1974): Introduction to the Theory of Statistics, Mc Graw Hill.

4. Freund J.E. (2001): Mathematical Statistics, Prentice Hall of India.

5. S.C. Gupta & V.K. Kapoor Fundamentals of Mathematical Statistics, Sultan Chand and sons. New Delhi

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ADDITIONAL REFERENCES:

1. Bhatt B.R. Srivenkatramana T and Rao Madhava K.S. (1967) Statistics: A Beginner's Text. Vol.II New Age International (?) Ltd.

2. Rohatgi V.K. (1967) An Introduction to Probability, Theory and Mathematical Statistics, John Wiley & Sons.

3. Snedecor G.W. and Cochran W.G. (1967) Statistical Methods. Iowa State University Press.

4. E.J. Dudewicz & S.N. Misra Modern Mathematical Statistics, John Wiley and Sons.

Subject : Applied Statistics

Paper II

(SATISTICAL APPLICATIONS IN SOCIETY AND INDUSTRY)

Courses contants are same as that of subject statistics.

PAPER III

Practical Paper

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B.A./B.Sc. Pass Course Part-II

SCHEME OF EXAMINATION :

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

Paper	Nomenclature	Duration	Max. Marks Arts	Max. Marks Science
I	Psychopathology	3 Hrs.	75	50
II	Psychological Statistics	3 Hrs.	75	50
III	Practicals	3 Hrs.	50	50
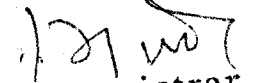
NOTE :-

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

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

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

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

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

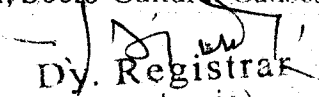| ARTS			
Section	No. of Questions	Marks	Total
A	10	1.5	15
B	5 (Out of 7)	03	15
C	3 (with internal choice)	15	45
		Total Marks	75

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

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

Paper-I

Psychopathology

Section-A

1. Introduction: Meaning of Normality and Abnormality, Characteristics of Abnormal Behaviour; Latest ICD and DSM Classification Systems.

2. Psychological Assessment: Clinical Interview; Diagnostic Tests- Intelligence, Neuropsychological, Personality; Behavioural and Bodily Assessment.

3. Symptomatology and Etiology of Abnormal Behaviour: Cognitive, Conative and Affective Symptoms; Biological, Psycho-Social, Socio-Cultural Causes.

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Section-B

4. Anxiety Disorders : Nature, Clinical Picture and Types: Generalized Anxiety and Panic disorder, Phobias and Obsessive Compulsive Disorder.

5. Somatoform and Mood Disorders : Nature, Clinical Picture and Types of Somatoform Disorders: Conversion Disorder and Hypochondriasis; Mood Disorders: Depression and Bipolar Disorder.

6. Substance-Related Disorders: Substance-Use and Substance-Induced Disorders; Alcohol-Related, Nicotine-Related and Sedative-Hypnotic/Anxiolytics-Related Disorders.

Section-C

7. Schizophrenia : Nature, Clinical Picture and Types.

8. Clinical Intervention: Psychoanalytic and Psychodynamic Therapy, Cognitive and Behaviour Therapy and Client Centered Therapy.

9. Mental Health: Meaning and Components; Factors Influencing Mental Health, Measures for Promoting Mental Health.

Books Recommended:

- Sarason, I.G. and Sarason, B.R. (2005) Abnormal Psychology. Delhi, Pearson Education

- Lamm, A. (1997) Introduction to Psychopathology N.Y. Sage.

- Buss, A.H. (1999) Psychopathology, N.Y. John Wiley.

- अरूण कुमार सिंह (2002) आधुनिक असामान्य मनोविज्ञान, दिल्ली, मोतीलाल बनारसीदास ।

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Psychological Statistics

Section-A

1. Introduction : Nature and Scope of Statistics and Psychological Data; Application of Statistics in Psychology; Nature and Levels of Measurement - Categorical and Continuous Variables.

2. Frequency Distribution : Drawing of Frequency Distribution. Bivariate Frequency Distribution, Graphical Representation of Grouped Data-Histogram, Polygon.

3. Measurement of Central Tendency : Purpose and Types; Characteristics and Computation of Mean, Median and Mode.

Section-B

4. Measures of Variability : Concept and Uses; Characteristics and Computation of Range, Quartile Deviation, Average Deviation and Standard Deviation.

5. Correlation : Concept and Types- Pearson's Product Moment Correlation (for Ungrouped Data by Assumed Mean and Actual Mean); Spearman's Rank Order Correlation.

6. Hypothesis Testing and Inferences Making : Population and Sample, Types of Sampling, Standard error of Mean, 't' test (Independent group), Interpretation of 't' values, levels of Significance.

Section-C

7. Non Parametric Tests: Nature and Assumptions of Distribution-free Statistics; Chi Square; Equal Probability, 2 x 2 Contingency Table; Median Tests.

8. ANOVA: Purpose and Assumptions of ANOVA. One way ANOVA

9. Computer Analysis: Preparation of Data, Uses of SPSS.

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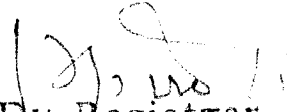University of Rajasthan
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Books Recommended:

- Broota K.D. (1992): Experimental design in behavioural research, Wiley Eastern, New Delhi.

- Minimum E.W, King B.M. and Bear. G. (1993): Statistical Reasoning in Psychology and Education, New York, John Wiley.

- Siegel. S. (1994): Non-parametric Statistics, New York, MCGraw Hill.

- कपिल एच.के. : सांख्यिकी के मूलतत्व, आगरा, विनोदपुस्तकमन्दिर।

Paper-III:

Practicals

1. Assessment of Mental Health.

2. Assessment of State and Trait Anxiety.

3. Measurement of Depression.

4. Measurement of Coping – Styles.

5. Assessment of Family Pathology.

6. Word – Association Test

7. Eight-State Questionnaire.

8. Neuropsychological Assessment.

9. Stress: Measurement and Analysis of Group Data (Mean and Median)

10. Stress: Measurement and Analysis of Group Data (t' test)

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26. राजस्थानी

स्कीम: इस परीक्षा में दो प्रश्न पत्र होंगे। प्रथम पत्र प्राचीन-मध्यकालीन राजस्थानी एवं द्वितीय मध्यकालीन राजस्थानी काव्य।

न्यूनतम उत्तीर्णांक 72

अधिकतम अंक 200

| प्रथम प्रश्न पत्र | समय 3 घंटे | अधिकतम 100 |
| द्वितीय प्रश्न पत्र | समय 3 घंटे | अधिकतम 100 |

प्रथम प्रश्न पत्र : मध्यकालीन राजस्थानी गद्य

(क) एक प्रश्न व्याख्या से संबंधित। प्रत्येक पुस्तक से एक (तीन व्याख्याएँ)

$3 \times 12 = 36$

(ख) तीन पुस्तकों पर एक-एक आलोचनात्मक प्रश्न (कुल तीन प्रश्न) $3 \times 16 = 48$

(ग) एक प्रश्न—मध्यकालीन गद्य विधाओं और साहित्य पर। $1 \times 16 = 16$

पाठ्य पुस्तकें :

1. राजस्थानी बात संग्रह, सम्पादक मनोहर शर्मा, साहित्य अकादमी, रवीन्द्र भवन, नई दिल्ली। इस संग्रह की निम्नलिखित 15 बातें—

   2,7,15,20,21,23,29,32,35,36,37,44,46,48

2. मारवाड़ रा उमरावां री बातां, संपादक—सौभाग्य सिंह शेखावत।

संदर्भ ग्रंथ :

1. राजस्थानी साहित्य की गौरवपूर्ण परम्परा—अगरचंद नाहटा, राधाकृष्ण प्रकाशन, दिल्ली

2. राजस्थानी बात साहित्य : डॉ. मनोहर शर्मा, राजस्थानी शोध संस्थान, चौपासनी, जोधपुर

3. राजस्थान बात साहित्य : डॉ. पूनम दइया, राजस्थानी भाषा, साहित्य एवं संस्कृति अकादमी, बीकानेर

4. राजस्थानी गद्य—उद्भव और विकास—डॉ. अचल, सार्दूल राजस्थानी रिसर्च इन्स्टीट्यूट, बीकानेर।
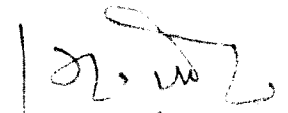
द्वितीय प्रश्न-पत्र : मध्यकालीन राजस्थानी काव्य

इस प्रश्न पत्र में पाँच प्रश्न होंगे।

(क) प्रत्येक पुस्तक से एक-एक व्याख्या (कुल तीन व्याख्याएँ) $3 \times 12 = 36$

(ख) प्रत्येक पुस्तक पर एक-एक आलोचनात्मक प्रश्न (कुल तीन प्रश्न) $3 \times 16 = 48$

(ग) मध्यकालीन राजस्थानी काव्य विधाओं और साहित्य पर एक प्रश्न $1 \times 16 = 16$

पाठ्यपुस्तकें :

1. हालां झालां री कुण्डलियाँ—संपादक डॉ. मोतीलाल मेनारिया, राजस्थानी ग्रंथागार,

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B.A. Part-II

Paper-I: Introduction to Physical and Archaeological Anthropology

UNIT-I

Meaning, subject matter and scope of Physical Anthropology. Branches of Physical Anthropology. Relationship of Physical Anthropology with other Sciences.

Meaning , subject matter and scope of Archaeological Anthropology. Relationship of Archaeological Anthropology with other Natural and Social Sciences.

UNIT-II

Human evolution: Lamarckism,   Darwinism and Synthetic Theory. Human Genetics: Mendelian Principles. Human Variation: Definition of Race.

UNIT-III

Major stone tool typology and technology. Palaeolithic: (Lower, Middle, Upper), Mesolithic and Neolithic Cultures . Study of Indus Valley Civilization: expansion, features and decline.

List of Books:

B.R.K. Shukla and S. Rastogi, Physical Anthropology and Human Genetics: An Introduction, New Delhi, Palka Prakashan.

Barnouw Victor, 1989, Physical Anthropology and Archaeology, California, Wadsworth.

Beals Ralph L. and Harry Hoijer, 1965, An Introduction to Anthropology, 3rd ed., New York, Macmillan Co.

Bhattarcharya, D.K., 1966, An Outline of Indian Pre-history, Delhi, Palika Prakashan.

Das B.M., 1980, Outlines of Physical Anthropology, Allahabad, Kitab Mahal.

Sankalia, H.D., 1964, Stone Age Tools: Their Techniques, Names, and Probable Functions, Pune, Deccan College.

ए.आर.एन. श्रीवास्तव, 1992, शारीरिक मानवविज्ञान, पटना, ज्ञानदीप प्रकाशन

मार्टिमर व्हीलर, 1990, पृथ्वी से पुरातत्व, दिल्ली, हिंदी माध्यम कार्यान्वय

गार्डन चाइल्ड, 1991, मानव प्रगति की कहानी, लखनऊ, उत्तरप्रदेश हिंदी संस्थान

डॉ. ए.एन. शर्मा एवं डॉ. (श्रीमति) एन.एम. शर्मा, 1966, शारीरिक मानव विज्ञान, इलाहाबाद, अभिव्यक्ति प्रकाशन,

B.A. Part II

Paper-II Research Methodology

UNIT-I

Meaning, relevance and types of Research. Science and Scientific method. Nature of Anthropological Research. History of field work in Anthropology.

Formulating a research problem: importance and source.
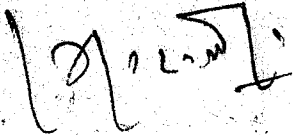
UNIT-II

An introduction to major theoretical perspectives:

Evolutionism: Basic idea, contributions of major theorists (L.H.Morgan, E.B.Tylor).

Diffusionism: British, German Austrian school and American Distributionism .

Functionalism: B. Malinowski's Contribution, Theory of Needs).

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UNIT-III

Data : meaning and types. Sources of data: Primary (meaning, types, advantages and limitations of - Interview, Observation, Questionnaire), Secondary (Census, Historical documents and Personal documents).

Lists of Books

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

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

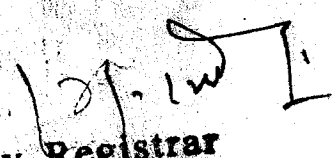Goode & Hatt, 1983, Methods in Social Research, McGraw Hill International.

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

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

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

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

पाण्डेय, गया, मानवशास्त्रीय सिद्धान्तः शास्त्रीय एवं आधुनिक, नई दिल्ली, कान्सेप्ट पब्लिशिंग हाऊस।

Paper-I   Acting and Speech (Theory)

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

I.   Introduction to acting .Definition and its elements

II.   History of acting in Special reference to Indian theatre:
       A-Chaturdik abhinay siddhant
       B-Introduction to Rasa and bhava

III.   Applied Acting Techniques and Training
       a. Mime and Movement
       b. Improvisation

IV.   Dramatic Speech – Mechanism and Technique:
       a. Voice production Mechanism
       b. Development of dramatic Speech
       c. Study of meter and rhythm
       d. Punctuation and speech exercises
IV.   Play production as communion art and its requirement (Group work, stage ethics, etc.)
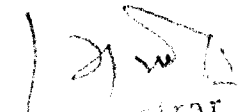
Books Recommended:
   1.   Natyashastra – Bharatmuni (Tr. Babu Lal Shastri)
   2.   Bhartiya Natya Saundarya – Manohar Kale
   3.   Parsi Theatre – Ranbir Singh
   4.   Acting is Believing: A Basic Method – Charles McGraw
   5.   Voce and the Actor – Cicely Berry

Paper-II   Dramaturgy (Theory)

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

   I.   Salient features of Sanskrit Plays
   II.   Selective study of Dasarupak of Dhananjaya
   III.   Structural aspects of parsi theatre plays
   IV.   Detailed study of following plays:
          a. Sanskrit plays
                 1. Mrichchhkattikam
                 2. Urubhangam
                 3. Abhigyan Shakuntalam
          b. Parsi plays
                 1. Yahudi Ki Ladki – Aga Hashra Kashmiri
                 2. Veer Abhimanyu – Radhey Shyam Kathavachak
                 3. Ramayana – Narayan Prasad Betab
          c. Modern Indian Plays
                 1. Andha Yug
                 2. Ashadh Ka Ek Din
                 3. Khamosh Adalat Jari Hai
Books Recommended:

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1 Natyashastra   Bharatmuni (Tr. Babu Lal Shastri)
2. Dasarupak   Dhananjay (Tr. Govind Trigunayat)
3 Bhartiya Natya Saundarya   Manohar Kale
4 Parsi Hindi Rangmanch   Laxmi Narayan Lal
5 Bhartiya Rangmanch Ka Udbhav Evam Vikas   Dashrath Ojha
6. Natya Samikha   Dashrath Ojha
7 All the plays prescribed in Ch. IV

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

PRACTICAL PAPER –I

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

I.   15 new yogic Asanas and psycho Games.
II. Improvisations with given motives.
III- Practice of emotions based on Rasa and bhava

PRACTICAL PAPER –II

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

I.   Voice & Speech – Various exercises
II. Participation in the production
III. Submission of work Book and special assignments.

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29. COMPUTER APPLICATION
(Common for B.A./B.Com./B.Sc.)

	Science	Com./Arts
Paper I : Data Base Management System	50	65
Paper II Structured Programming and Computer Graphics	50	55
Practical Programming Laboratory On-the-Job training (4 weeks)	50	70

The duration of these papers will be 3 hours.

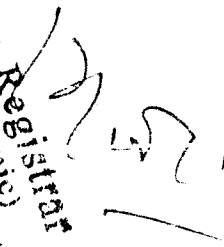## Paper I : Data Base Management System

Categorization of DBMS Systems. Network. Hierarchical and relational databases. Application of DBMS systems. Relational data bases management system. Why to use them and where. Data Description Language. Data Manipulation Language and Data Control Language.

Introduction to DBASE, DBASE, DBASE commands. Development of an application under DBASE using forms, screens and PRG. files. Security considerations in database management systems. Performance improvement in databases.

Relational databases - advanced concepts. Introduction to ORA-CLE/INGRES or a similar RDBMS on a multiuser environment. Structured query language. Form design on a advanced RDBMS. Report generator, Query by example and Report by form. Accessing RDBMS/SQL programming :.........

System management. User management Security considerations
Practical.

Design of a database for a business application. Design of data entry forms and report layouts for this database. Creation of programs to access and manipulate database.

Development of a business application in RDBMS.

Paper-II : Structured Programming and Computer Graphics

Introduction. Need of structured programming. Methods of documentation. Methods of analyzing a program requirements. Data flow diagrams. Entity relationship. Flow charts.

Various categories of programming language (3GL, 4GL, etc.), introduction to C and COBOL. Program development in C using structured programming concepts.

Why Graphics. Various types of graphics programs. Drafting packages. DTP packages. Microsoft Windows. Various documentation cum DTP packages e.g. Wordperfect, Microsoft Word etc.

Introduction to a Pagemaker/Ventura or a similar package. Preparation of documents using DTP package. Formatting. Various fonts and characters set. Various type of printers used in DTP. Introduction commercial DTP system available in market. Indian language fonts. reation of Indian language fonts.

ractical

Development of a business application using C.

Preparation of a document and publishing it using a DTP Sys-n. Creation of fonts.

Managing a Microsoft Window session. Creating groups and gram items under Window. Turning Windows for a computer sys-1.

30 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 exam. separately.

Paper : I Anatomy and physiology of Exercise

Time : 3 hours

Max. Marks : 60   Min. Pass Marks

Unit I : Introduction

(A) Meaning and concept of Anatomy, Physiology and Exercise

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Physiology, its need and importance in Physical Education and Sports.

(B) Definition of cell, tissue, organ and systems. Microscopic structure of cell.

Unit II : Skeletal and Muscular System

(A) Elementary knowledge of skeleton system, teridnology of various movements around joints.

(B) Types of muscles (Voluntary, Involuntary and Cardiac) General characteristic (Properties) of Muscles (Elasticity, Contractibility and Irritability).

Unit III : System

(A) Brief Introduction and structure of various systems of the body (Cardio-vascular, Respiratory, Digestive, Nervous System)

(B) i. Pumping action of heart

ii. Mechanism of respiration

iii. Role of Glands in growth, development and body function.

Unit IV : Physical Fitness and Training

(A) Physiological Concept of Physical fitness, training warming up, conditioning and fatigue.

(B) Physiological aspects of development of strength enhance, skill, speed and agility.

Unit V : Physiology of Exercise

(i) Effect of exercises on respiratory circulatory muscular system.

(ii) Nuro Muscular Co-ordination

(iii) Second wind, Oxygen dept. and binesthetic sense.

(iv) Stich and Cramps

(v) Obesity and body weight control.

Books for Reference :

1. Morehouse & M Physiology of Exercise : C.V. Moshy Co., St. Louis.

2. Srivastava etc. : Textbook of Practical Physiology, Scientific Book Agency, Calcutta.

3. Cuyton A.C.: Functions of Human Body : W.B. Saunders Co London.

4. Pearce Evelyn C : Antomy and Physiology of Nurses : Faber & Faber Ltd. London.

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5. Karpovich and Sinnser : Physiology of Muscular Activity : W.B Saunders Co. London.

6. Pearce J.W. : Anatomy for students and teacher of physical Education : Edward Arnold & Co., London.

7. Duvel Ellen Neill Kinesiology : The Anatomy of Motion.

8. देशपाण्डे सुरेश : मानव क्रिया विज्ञान : हनुमान व्यायाम मण्डल, अग्रावती।

9. सिंह टी.के. : शरीर रचना एवं शरीर क्रिया विज्ञान : दीपक प्रकाशन, जोधपुर।

10. आर्मस्ट्रांग व जैकसन : नर्सों के लिए शरीर सम्बन्धी ज्ञान : एन.आर. ब्रदर्स, इंदौर।

11. कंवर रमेश चन्द : शरीर क्रिया विज्ञान व स्वास्थ्य शिक्षा : अमित बद्रर्स, नागपुर।

12. ध्यानी वी.एस. : शरीर क्रिया विज्ञानीया : चौखम्भा ओरियन्टल, वाराणसी।

13. पाण्डेय के. और वर्मा पी. : शरीर क्रिया विज्ञान, हिन्दी मा. का. निदेशालय, दिल्ली।

14. अजमेर सिंह और अन्य : शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्य पुस्तक (बी.ए. पार्ट II, III) : कल्याणी पब्लिकेशंस, लुधियाना।

Paper-II : Managements & Methods of Physical Education

Time : 3 hours   Max. Marks : 60   Min. Pass Marks : 22

Unit I : Introduction

1. Meaning and importance of "Teaching Methods", Factors to be considered in determining the methods of teaching.

2. Types of Teaching Methods.
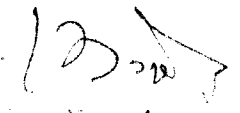
3. Principles of Teaching.

Unit II : Organisation

Organisation of Sports and National, State, District and village Level for Educational Institutions, Open tournaments & Annual Sports Meet

Unit III : Tournaments

Meaning, types of Tournaments, Method of drawing fixtures, Merits and Demerit of various types of Tournaments.

Unit IV : Facilities and Equipments

1. Need and importance of equipments for Physical Education.

2. An ideal list of equipments for Physical Education.

3. Realistic approach in purchases, purchases procedures.

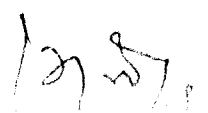4. Development of improvised equipment and storekeeper.

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Unit V : Office Management and Budget.

(a) Maintenance of Records, Filing and Office correspondence.

(b) Physical Education Budget and its preparation, Maintenance of Accounts, Income & Expenditure (Sources).

Books Recommended :

1. G. Tirunarayanan & S. Hariharan : Methods in Physical Education, Alagappa College of Physical Education, Alagappauram Karaijudi.

2. Hari Shankar Sharma : Physical Education - Organisation, Administration and Supervision (Hindi).

3. Knapp Clyde and Hagman, E.P. : Teaching Methods for Physical Education, New York : Mc Graw Hill Book Co. 1984.

4. Bucher C.A. : Administration of Physical Education and Atuletic Programmes. The C.V. Kosby Company, London, 1983.

5. Zelgler, E.F. And Bowiew G.W. : Management Competency Development in sports and physical education, Lea and Feblger, Philadelphia, 1983.

6. कंवर आर.सी. : शारीरिक शिक्षा संगठन एवं प्रशासन, अमित ब्रदर्स, नागपुर।

7. अखेड़ा पी.के. : शारीरिक शिक्षा में संगठन, संचालन एवं मनोरंजन, प्रकाश ब्रदर्स, लुधियाना।

8. कमरकर ए.के. और श्रीवास्तव ए.के. : शारीरिक शिक्षा संगठन, प्रशासन, पर्यवेक्षण एवं शिविर, सुयोग प्रकाशन, अमरावती।

9. मोहम्मद वाहित और दीक्षित एन.के. : शारीरिक शिक्षा में शिक्षण विधियाँ : इ़ालीगंज रेलवे क्रॉसिंग, लखनऊ।

10. पाण्डेय लक्ष्मीकान्त : शारीरिक शिक्षा की शिक्षण पद्धति, मैट्रोपोलिटन बुक कं.प्रा.लि., नई दिल्ली।

11. वैष्णव राजेन्द्र प्रसाद : शारीरिक शिक्षा का संगठन व विधियाँ : श्रीयांश पब्लिकेशन्स, जयपुर।

12. श्रीवास्तव ए.के. : शारीरिक शिक्षा और खेल में संगठन व पर्यवेक्षण, दिल्ली।

13. अजमेर सिंह और अन्य : शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए. पार्ट 1, II, III) : कल्याणी पब्लिकेशन, लुधियाना।

14. सिद्धाना अशोक कुमार : शारीरिक शिक्षा सिद्धांत, मनोविज्ञान एवं इतिहास : श्रीयांश पब्लिकेशन्स, जयपुर।

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Practical

Max. Marks 80 Min. Pass Marks 28

The practical examination shall be conducted by a panel of examiners.

A candidate shall be required to show his/her familiarity (Rules & Techniques) and give performance/demonstration in the following :

1. Athletics (Compulsory) 40 Marks

   Triple-Jump, Pole Vault, Javelin, Hammer and Walking.

2. Any one game of candidates choice from the following : 40 Marks

   (a) Cricket (b) Hockey (c) Kho-kho (d) Yoga

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31. INDIAN HERITAGE IN RURAL HANDICRAFTS

Scheme	Max. Marks	Min.Pass Marks
1. Theory : One Paper 3 hrs.	60	22
2. Practical	80	28
3. Submission	60	22
Total	200	72

1. Study of tools used in the early period made of:
   (a) Stone (b) Copper & Bronze (c) Iron & Steel

2. Machines and power tools-their uses, constructional particulars, operational processes and method maintenance, safety measures to be observed while operating them.

3. Special jigs and props for minimising manual labour and to increase productivity in manufacturing rural handicrafts.

4. Classification of raw materials method of identifying defects.

Preservation and seasoning auxiliary methods of using different tools-safety precaution to be taken. Simple exercises involving cutting, fixing, fitting, drilling, forging, planning, polishing, etc.

Paper II (Practical)   5 Hrs. Duration

Max. Marks : 80   **Min. Pass Marks : 28**

(a) Wood work: Preparation of tools preparation of wood, marking and practice in different joints, making small objects like toys, paper weight and solid geometric forms.

(b) Paper machine work : Preparation of toys dolls pots and decorative items.

Submission Works

Max. Marks : 60   **Min. Pass Marks : 22**

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Note (1) : Submission work will be submitted to the head of the department of Rural Handicrafts of the college 15 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 or submission in case there is a drastic difference between marks of the examination and submission.

(2) Candidates should pass in theory as well as in practical paper separately.