



# **MAHARAJA SURAJMAL BRIJ UNIVERSITY**

## **BHARATPUR SYLLABUS**

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

#### **Faculty of Social Science**

1. Philosophy
2. History
3. Political Science
4. Public Administration
5. Sociology
6. Home Science
7. Mathematics
8. Economics
9. Geography
10. Psychology
11. Physical Education

  
**अकादमिक प्रभारी**  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

**CONTENTS**

**SCHEME OF EXAMINATION & DISTRIBUTION OF MARKS**

**SYLLABUS :**

**Optional Subject:**

1. Philosophy
2. History
3. Political Science
4. Public Administration
5. Sociology
6. Home Science
7. Mathematics
8. Economics
9. Geography
10. Psychology
11. Physical Education

**Scheme of Examination**

**B. A. Part II Examination**

**( Under 10+2+3 Pattern )**

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

First Division	60%	Of the aggregate marks prescribed at (a) Part I Examination, (b) Part II Examination, (c) Part III Examination taken together.
Second Division	48%	

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

  
**अकादमिक प्रभारी**  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

**Syllabus B.A. Part - II :**

**DISTRIBUTION OF MARKS**


Sr. No	Name of the Subject	No. of Paper	Duration	Max. Marks	Total Marks	Min. Pass Marks
1	Philosophy	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		
2	History	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		
3	Political Science	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		
4	Public Admn.	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		
5	Sociology	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		
6	Home Science	Paper I	3 hrs.	50	200	72
		Paper II	3 hrs.	50		
		Practical I	3 hrs.	50		
		Practical II	3 hrs.	50		
7	Mathematics	Paper I	3 hrs.	66	200	72
		Paper II	3 hrs.	66		
		Theory Paper III	2.30 hrs.	44		
		Practical Paper III	2 hrs.	24		
8	Economics	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		
9	Geography	Paper I	3 hrs.	75	200	72
		Paper II	3 hrs.	75		
		Practical	3 hrs.	50		
10	Psychology	Paper I	3 hrs.	65	200	72
		Paper II	3 hrs.	65		
		Practical	3 hrs.	70		
11	Physical Education	Paper I	3 hrs.	100	200	72
		Paper II	3 hrs.	100		

- N.B. : 1. Candidates must pass separately in each of the test/theory and practical (wherever prescribed).
2. Common papers in the subjects of **Mathematics, Economics, Geography and Psychology** will be set both in the faculties of Social Sciences and Science. The allocation of marks will however be different as mentioned in the booklet of syllabus.

  
**अकादमिक प्रभारी**  
 महाराजा सूरजमल बृज विश्वविद्यालय  
 भरतपुर (राज.)



Sr. No	Name of the Subject	No. of Paper	Duration	Max. Marks	Total Marks	Min. Pass Marks
1.	Physics	Paper I	3 hrs.	33	150	36
		Paper II	3 hrs.	33		
		Theory Paper III	3 hrs.	34		18
		Practical Paper III	5 hrs.	50		
2.	Chemistry	Paper I	3 hrs.	33	150	36
		Paper II	3 hrs.	33		
		Theory Paper III	3 hrs.	34		18
		Practical Paper III	5 hrs.	50		
3.	Zoology	Paper I	3 hrs.	33	150	36
		Paper II	3 hrs.	33		
		Theory Paper III	3 hrs.	34		18
		Practical Paper III	5 hrs.	50		
4.	Botany	Paper I	3 hrs.	33	150	36
		Paper II	3 hrs.	33		
		Theory Paper III	3 hrs.	34		18
		Practical Paper III	5 hrs.	50		
5.	Mathematics	Paper I	3 hrs.	40	150	54
		Paper II	3 hrs.	40		
		Theory Paper III	3 hrs.	40		
		Practical Paper III	2 hrs.	30		
6.	Economics	Paper I	3 hrs.	75	150	54
		Paper II	3 hrs.	75		
7.	Geography	Paper I	3 hrs.	50	150	54
		Paper II	3 hrs.	50		
		Practical Paper III	3 hrs.	50		
8.	Psychology	Paper I	3 hrs.	50	150	54
		Paper II	3 hrs.	50		
		Practical Paper III	3 hrs.	50		

  
**अकादमिक प्रभारी**  
 महाराजा सूरजमल बूज दिश्विद्यालय  
 भरतपुर (राज.)

**B.A. Part II**  
**1. 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. This part will consist of 10 compulsory questions with 4 marks each to be answered in the answer sheet. These questions will cover the whole Syllabus and there will be no unit wise division of the questions. Student is required to answer these questions in not more than 50 words. Questions are definitional, informative and descriptive in nature, and will be based on the key concepts, distinctions and divisions underlined in the syllabus. Student must write the question no. of the question while giving answers. Marks will be deducted if correct question no. is not mentioned or if answer exceeds the given word limit.
- (4) Part II of the question paper will be of 60 marks. Students are required to attempt three questions in total. Each question is of 20 marks. These questions are essay type questions which are explanatory, and comparative in nature.

Part II is divided into three units. There will be two questions from each Unit. Students are required to attempt three questions in total while attempting one question from each Unit.

## PAPER I : LOGIC (WESTERN)

(Total Teaching Hrs.: 90)

### Unit A:

Teaching Hrs. : 32

S.No.	Topics	Division of Teaching hrs.
1	Sentence and proposition, logical form	6
2	Truth, validity and soundness	3
3	Uses of language	3
4	Informal fallacies	10
5	Laws of thought	3

### Unit B:

Teaching Hrs. : 30

1	Aristotelian classification of categorical propositions, square of opposition existential import, conversion, obversion, contraposition.	10
2	Categorical syllogism: figures and moods, rules of validity, fallacies.	10
3	Bollean interpretation of propositions, Venn diagram technique of testing the validity of syllogisms.	10

### Unit C:

Teaching Hrs. : 35

1	Truth-functions: negation, conjunction, disjunction, implication and equivalence, inter-definability of truth functions.	8
2	Arguments and argument-forms, decision procedures, truth-tables.	9
3	Analogy, Mill's methods of experimental enquiry.	9
4	The method of deduction in propositional logic: introduction of rules & simple derivation.	9

### Suggested Readings:

I.M. Copi	: Introduction to Logic (Hindi Translation Available)
A.H. Basson & DJ. O'Connor	: Introduction to Symbolic Logic.
Susan Stebbing	: A Modern Introduction to Logic.

Handwritten signatures and dates: 21/03/17, 25.2.2017, and other illegible marks.



## PAPER II : ETHICS (INDIAN AND WESTERN)

(Total Teaching Hrs.: 90)

### Unit A:

Teaching Hrs. : 31

S.No.	Topics	Division of Teaching hrs.
1	Introduction: Concerns and presuppositions, theory of karma. (Indian)	6
2	Dharma : its meaning, definition, classification, Purva Mimansa: vidhi, nisedha & Arthavada.	12
3	Niskama Karma	5
4	Purusharthas and their inter-relations, purushartha sadhna.	8

### Unit B:

Teaching Hrs. : 27

1	Buddhist ethics: the four noble truths and the eight-fold path.	8
2	Jaina ethics: Anuvratas and Mahavratas.	7
3	Nature and scope of ethics. (Western)	6
4	Introduction: concerns and presuppositions, free will.	6

### Unit C:

Teaching Hrs. : 32

1	Teleological ethics: egoism, hedonism, utilitarianism.	10
2	Deontological ethics: Kant.	5
3	Intuitionism (excluding Neo. ... )	6
4	Virtue ethics: Socrates, Plato and Aristotle.	6
5	Theories of punishment.	5

### Suggested Readings:

I.C. Sharma : Ethical Philosophies of India.

S.K. Maitra : The Ethics of the Hindus.

S.N. Das Gupta	: Development of Moral Philosophy in India.
M. Hiriyana	: The Indian Conception of Values
P.V. Kane	: The History of Dharmasastras Vol. I (Hindi translation available)
W. Lillie	: An Introduction to Ethics.
J.N. Sinha	: A Manual of Ethics (Hindi translation available)
दिवाकर पांडेय	: भारतीय नीतिशास्त्र
संगमलाल पाण्डे	: नीति दर्शन का सर्वेक्षण
वेदप्रकाश शर्मा	: नीतिशास्त्र के मूल सिद्धान्त

अकादमिक प्रभारी



## B.A. Part - II

### 2. HISTORY

**Duration: 3 hrs.**

**Max. Marks: 100**

**Mini Pass Marks: 36**

The scheme of examination will be as follows:

Scheme	Max. Marks	Mini Pass Marks	Duration
Paper - I	100	36	03 hours
Paper - II	100	36	03 hours
Total -	200	72	06 hours

**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. Parts I shall carry 40 marks and shall consist of two compulsory questions. The first compulsory question will be of 20 marks, comprising of 10 very short answer type questions of two marks each. The answer to each question should not exceed 20 words.

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

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

परीक्षा योजना:

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

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

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

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

  
**अकादमिक प्रभारी**

**महाराजा सुरजमल बुज विश्वविद्यालय  
भरतपुर (राज.)**

## PAPER I: HISTORY OF MEDIEVAL INDIA (CENTURY 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. Khalki imperialism and Tughlaq innovations. Growth of Provincial kingdoms. Contribution of Bahamani and Vijaynagar 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. Developments in art, architecture, and literature. Efforts at cultural synthesis and growth of composite culture.

### प्रथम प्रश्नपत्र : मध्यकालीन भारत का इतिहास (1200 से 1761 ईस्वी तक)

#### खण्ड – क

दिल्ली सल्तनत के काल के स्रोतों का सर्वेक्षण। तुर्की आक्रमण एवं राजपूत प्रतिरोध। दिल्ली सल्तनत की स्थापना एवं सुदृढीकरण। खिलजी साम्राज्यवाद एवं तुगलकी नवप्रवर्तन। प्रांतीय 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 सुदृढीकरण। 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।

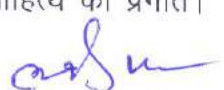
#### खण्ड— ग

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

*Books Recommended:*

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

*: Theory and Practice of Muslim state in India, delhi, 1999.*

  
अकादमिक प्रभारी

महाराजा यूजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

२१/१०/१९



- 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 (1200-1550A.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.*
- 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.*

## **PAPER II: MAIN TRENDS IN THE CULTURAL HISTORY OF INDIA**

### **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 Insitutions and Culture : Social ideals of ancient India – varna, ashrama, samskaras, purushartha. Social reform movements of the 19<sup>th</sup> and 20<sup>th</sup> 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, Ajant paintings, Mughal painting : Science and Culture. Contributions of Aryabhatta, Vaahmihira, Charaka and Susruta.

प्राप्त  
संज्ञा

अकादमिक प्रभारी  
महाराजा सुखमल वृज विश्वविद्यालय  
भरतपुर (राज.)



## द्वितीय प्रश्न पत्र : भारत के सांस्कृतिक इतिहास की मुख्य धाराएँ

### खण्ड – क

संस्कृति का अर्थ। भारतीय संस्कृति का प्रधान तत्त्व एवं विशेषताएँ। धर्म एवं संस्कृति: वैदिक धर्म, बौद्ध धर्म, एवं जैन धर्म, शैव धर्म एवं वैष्णव धर्म। भक्ति आन्दोलन। 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 संस्थाएँ एवं संस्कृति : प्राचीन भारत के सामाजिक आदर्श – वर्ण, आश्रम, संस्कार, पुरुषार्थ। 19वीं एवं 20वीं शताब्दी के समाज सुधार आन्दोलन।

### खण्ड– ग

कला एवं संस्कृति : भारतीय कला की विशेषताएँ। मंदिर स्थापना की शैलियाँ। आबू, खजुराहो, उडीसा, पल्लव एवं चोल मन्दिरों 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:*

- G.C. Pandey : *Foundations of Indian Culture, Vol. 1 and II*  
: *Meaning and Process of Culture.*
- R.C. 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. Srivastav : *Medieval Indian Culture ( also in Hindi).*
- V.S. Agrawala : *Indian art, Varanasi.*
- Krishana 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. Bashan : *The Wonder that was India ( also in Hindi)*  
: *The Cultural History of India (ed.)*

रजनीश

  
**अकादमिक प्रभारी**  
महाराजा सुरजमल बूज विश्वविद्यालय  
भरतपुर (राज.)

**B. A. Part- II**  
**3. POLITICAL SCIENCE**

Scheme	Max. Marks	Mini Pass Marks	Duration
Paper - I	100	36	03 hours
Paper - II	100	36	03 hours
Total -	200	72	06 hours

**Duration: 3 hrs.**

**Max. Marks: 100**

**Mini Pass Marks: 36**

नोट :- राजनीति विज्ञान के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न- पत्र 3 घण्टों में विभाजित होगा।

प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंको का होगा। इस भाग में 20 अनिवार्य प्रश्न होंगे। प्रत्येक प्रश्न दो अंकों का होगा। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से प्रश्न होंगे।

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

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

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

Part B of the question paper shall have 2 question of descriptive type from each of the 3 section, and shall carry 60 marks. The Candidates shall be required to attempt one question of 20 marks from each Section.

**प्रथम प्रश्न पत्र – प्रमुख राजनीतिक व्यवस्थाएँ**

खण्ड 'क'

विद्यार्थियों सं अग्रांकित देशों की राजनीतिक प्रणालियों के महत्वपूर्ण पक्षों- विद्यायिका, कार्यपालिका, न्यायपालिका, राजनीतिक दल एवं वर्तमान प्रवृत्तियों का विशलेष्णात्मक और तुलनात्मक दृष्टिकोण सं अध्ययन करने की अपेक्षा की जायेगी।

खण्ड 'क'

ब्रिटेन।

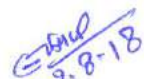
खण्ड 'ख'

संयुक्त राज्य अमेरिका।

खण्ड 'ग'

जनवादी गणराज्य चीन, जापान, स्विट्जरलैण्ड।

  
**अकादमिक प्रभारी**  
**महाराजा सुरजमल बृज विश्वविद्यालय**  
**भरतपुर (राज.)**

  
2-8-18



## 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 and analytical and comparative perspective.

### Section-‘A’

Britain

### Section ‘B’

U.S.A.

### Section ‘C’

Peoples Republic of China, Japan and Switzerland.

### Books Recommended:-

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

## द्वितीय प्रश्न 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 आन्दोलन, 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 निर्देशक तत्व, संघीय कार्यपालिका : राष्ट्रपति, प्रधानमंत्री व मंत्रीपरिषद् संघीय संसद, उच्चतम न्यायालय व न्यायिक पुनरावलोकन, न्यायिक सक्रियता, जनहित याचिका, संविधान संशोधन की प्रक्रिया, संघ - राज्य सम्बन्ध, संवैधानिक एवं विधिक आयोग - निर्वाचन आयोग, संघ लोक सेवा आयोग, राष्ट्रीय मानवाधिकार आयोग।

### खण्ड ‘ग’

राज्यों का शासन : राज्य व्यवस्थापिका, राज्य कार्यपालिका : राज्यपाल, मुख्यमंत्री एवं मंत्री परिषद्, कतिपय राज्यों को विशेष दर्जा और उसके प्रभाव, दलीय व्यवस्था, भारत में पंथनिरपेक्ष की प्रकृति, भारतीय राजनीतिक व्यवस्था के सम्मुख प्रमुख चिन्तितियाँ - क्षेत्रवाद, जातिवाद, साम्प्रदायिकता, नक्सलवाद, आंतकवाद, पंचायती राज एवं नगर निकाय, 73 वें व 74 वें संविधान संशोधन की महत्ता।

अकादमिक प्रभारी

महाराजा सूरजमल बृज विश्वविद्यालय

भरतपुर (राज.)



## 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.

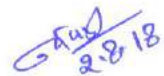
### Section- C

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 73<sup>rd</sup> and 74<sup>th</sup> constitutional amendment acts.

*Book Recommended:-*

- N.D. Palmer : *The Indian Political System*, Houghton Miffling Boston, 1971
- Rajni Kothari : *Bharat mein Rajniti* ( orient Longmans, New Delhi, 1972)
- R.L. Hardgrave, Jr. : *Indian Government and Politics* ( Harcourt Brance and World, inc, Nw York, 1970)
- Govind Ram : *Bhartiya Rajya Vyavstha*
- B.L. Fadia : *Bhrtiya Rajya Vyavastha*
- P.K. Chaddha : *Bhartiya Rajnitik Pranali* ( Adarsh Prakashan, Chuara Rasta, Jaipur)
- Basu, D.D. : *introduction to constitution of India*

  
**अकादमिक प्रभारी**  
महाराजा सुरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

  
2-8-18

**B.A. PART- II Exam**  
**4. PUBLIC ADMINISTRATION**

Scheme	Max. Marks	Mini Pass Marks	Duration
Paper - I	100	36	03 hours
Paper - II	100	36	03 hours
Total -	200	72	06 hours

**Duration: 3 hrs.**

**Max. Marks: 100**

**Mini Pass Marks: 36**

**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 one question from each section.  
total Marks : 60

**PAPER - I: ADMINISTRATIVE INSTITUTIONS IN INDIA**

**Section-A**

Administrative Institutions in a Democratic and Socialist Society. The concepts of Laissez Faire state Welfare state and Administrative State.

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

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, NITI, Aayog, 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, 6. National Human Rights Commission (NHRC)

**प्रथम प्रश्न पत्र : भारत में प्रशासनिक संस्थाएँ**

**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 हास के कारण, कार्यपालिका प्रकार तथा व्यवस्थापिका से सम्बन्ध, न्यायपालिका, कार्य तथा भूमिका- न्यायिक पुनरावलोकन की शक्ति के विशेष संदर्भ में, न्यायिक सक्रियता।



**अकादमिक प्रभारी**

**महाराजा सूरजमल बुज विश्वविद्यालय  
भरतपुर (राज.)**



## द्वितीय खण्ड

लोकतंत्र तथा प्रशासन, लोकतांत्रिक प्रशासन के लक्षण, नौकरशाही की भूमिका ।

राजनीतिक दल तथा दबाव समूह तथा इनकी पारस्परिक अन्तक्रिया, भारत में वित्त आयोग, नीति आयोग का 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 6. राष्ट्रीय मानवाधिकार आयोग ।

### Books Recommended :

#### A. Core Books :

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

#### B. Books for Reference :

1. Garbin : Systematic Politics.
2. Salt : Political Institution : A Preface.
3. Reports of Second ARC.

#### C. Journal :

1. Indian Journal of Public Administration, New Delhi

## PAPER – II : STATE ADMINISTRATION IN INDIA

### Section – A

Present Status of state administration under the constitution of India and its General back ground with reference to 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 and 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, organization and functions of state training institutes in Rajasthan, Rajasthan Civil Service, Appellate Tribunal.

District Administration : Organization of district administration District Collector : functions and position. Revenue administration at the District and below level, the role of S.D.O., Tehsildar, Patwaris and village level worker (V.L.W).

### द्वितीय प्रश्न पत्र : भारत में राज्य प्रशासन

#### प्रथम खण्ड

भारत में संविधान के अन्तर्गत राज्य प्रशासन की स्थिति, राजस्थान के विशेष संदर्भ में भारत में राज्य प्रशासन की सामान्य पृष्ठभूमि। राज्यपाल : कार्य, शक्तियाँ तथा राज्य प्रशासन में भूमिका, मंत्रिपरिषद् से संबंध। मुख्यमंत्री : कार्य, शक्तियाँ तथा इस पद का महत्व व मंत्रिपरिषद् से संबंध।

राज्य सचिवालय का संगठन, राजस्थान में गृह, वित्त तथा कृषि विभाग का संगठन तथा कार्यप्रणाली, मुख्य सचिव : राज्य प्रशासन में इसकी भूमिका तथा महत्व।

#### द्वितीय खण्ड

राजस्थान में निम्नलिखित मण्डलों, कम्पनियों तथा निदेशालयों का संगठन एवं कार्यप्रणाली :-

- (अ) राजस्व मण्डल
- (ब) राजस्थान राज्य विद्युत कम्पनियाँ
- (स) कृषि निदेशालय
- (द) शिक्षा निदेशालय

#### तृतीय खण्ड

सेवा वर्गीय प्रशासन : राजस्थान राज्य में लोक सेवाओं (आर.ए.एस., आर.पी.एस. इत्यादि) की भूमिका, राजस्थान लोक सेवा आयोग का संगठन तथा कार्यप्रणाली, राज्य लोक सेवाओं का प्रशिक्षण, राजस्थान में राज्य प्रशिक्षण संस्थानों संगठन एवं कार्य, राजस्थान सिविल सेवा अपीलीय न्यायाधिकरण जिला प्रशासन, जिला प्रशासन का संगठन, जिलाधीश – कार्य तथा पद स्थिति, जिला एवं अधीनस्थ स्तरीय राजस्व प्रशासन: एस.डी.ओ., तहसीलदार, पटवारी की भूमिका तथा ग्राम स्तरीय कार्यकर्ता।

**Book Recommended :-**

#### A. Core Books :

1. S.R. Maheshwari : Indian Administration



**अकादमिक प्रभारी**  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

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. *C.M. Singh & Other : Rajasthan main Rajya Prasshasan.*
8. *Surendra katariya : Rajya Prashasan.*

**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 Repor, 1966)*
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 Adminitration.*
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*



**अकादमिक प्रभारी**  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)



**B.A. Part II**  
**5. SOCIOLOGY**

Scheme	Max. Marks	Mini Pass Marks	Duration
Paper - I	100	36	03 hours
Paper - II	100	36	03 hours
Total -	200	72	06 hours

**Duration: 3 hrs.**

**Max. Marks: 100**

**Mini Pass Marks: 36**

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. 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.

नोट:- 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 अन्तर्गत दो-दो अंकों 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 संबंधित होंगे। अर्थात् प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम से संबंधित प्रश्न होंगे।

प्रश्न-पत्र के द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबन्धात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थीयों 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।

**Paper – I : Social Research Methods**

**Unit - I : 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

गोमना लाल

अकादमिक प्रभारी

महाराजा सुरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)



## **Unit - II : Research Methods and Techniques:**

qualitative and Quantitative 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:**

Bajaj and Gupta, 1972 Elements of Statistics, New Delhi, R. Chand and Co.

T.N. Madan: 1975 Encounter and Experience: Personal Accounts of

## **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: Peasant Society, Agrarian Society, parochialization

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, 73<sup>rd</sup> Amendment, Community Development Programme, Green Revolution and its Impact

Globalization & its impact on agriculture

### **Suggestion Reading:-**

A.R. Desai 1959 Rural Sociology in India, popular prakashan, Bombay.

Roa M.S.A 1974 Urban sociology in India, orient Longman, New Delhi.

A.R. Desai 1979 Rural India in Transition, popular prakashan, Bombay.

Alfred D souza 1978 the Indian city; poverty, ecology and Urban development, mahohar, New Delhi

## SYLLABUS

### 6. HOME SCIENCE – BA PART -II

#### EXAMINATION SCHEME

- Each Theory paper will contain nine Question having three question 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.

Paper	Subjects	Duration of exam	Maximum marks	Minimum marks
Theory Paper-III	Human Development	3hrs	50	18
Practical-III	Human Development	3hrs	50	18
Theory Paper-IV	Food and Nutrition	3hrs	50	18
Practical-IV	Food and Nutrition	3hrs	50	18
			200	72

अकादमिक प्रभारी



## SYLABUS

### HOME SCIENCE – BA PART -II HUMAN DEVELOPMENT (THEORY PAPER – III)

Maximum Marks:50  
Minimum Marks:18  
Teaching Workload:3hrs/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 development task of each stage.

#### Contents

#### UNIT – I

1. Definition and scope of human development as a field of study
2. Principles of development
3. Role of Heredity and environment and learning and maturation in development.
4. Factors affecting development.

#### UNIT 2<sup>nd</sup>

##### Development from conception to adolescence:

5. Physical development
6. Motor development
7. Socio- emotional development
8. Language and cognitive development



### UNIT 3<sup>RD</sup>

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

#### References:

1. Santrock JW (2007). Life span development. Tata –McGraw Hill. New Delhi. 3<sup>rd</sup> Ed.
2. Bee H (1995). The developing child. Harper Collins College Publisher.
3. Berk L (2006). Child development. Alyn & 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. Alyn and Bacon inc. Toronto.
7. Vidhya Bhushan and Sachdeva (2000). Introduction to Sociology

अकादमिक प्रभारी



## HUMAN DEVELOPMENT- PRACTIPAL - III

Maximum Marks:50

Minimum Marks:18

Teaching Workload: 2 practical/week(2 hours/practical)

### Objectives:-

1. Student 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 related to adolescents, adults and ageing people.

### Contents :

1. Anthropometric measurement of children from birth to 6 years plotting interpretation of data as per WHO norms.
2. Interviewing mother of young infants of regarding breast feeding schedules supplementary foods and weaning practices.
3. Organizing and conducting play and creative activities, of children in a nursery school.
4. Preparation and conduction of various activities, to enhance overall development of children : physical, motor, language, cognitive, social and emotional.
5. Focus group discussion with adolescents to understand there aspirations, educational and career choices.
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.
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.
8. Preparation of a scrap book on relevant issues of human development.

### Examination scheme :

### Total Marks : 50

1. Major Problem – 25 Marks  
Preparation and conducting of various activities to enhance overall development interviewing mothers of infants.  
Organizing and conducting Play.
2. Minor Problem – 15 Marks  
FGD Preparation of toys, book, poems questionnaire, Anthropometric measurements
3. Internal

10 Marks

अकादमिक प्रश्नारी



## FOODS & NUTRITION (THEORY PAPER-IV)

Maximum Marks:50

Minimum Marks:18

Teaching Workload:3hrs/week

Total teaching workload:72 hours/week

### Objectives :-

1. To give knowledge about basics of nutrition, nutrients and metabolism.
2. To give knowledge about meal planning for families and individuals.
3. To give knowledge about normal and therapeutic nutrition.
4. To give knowledge about nutritional problems of public importance.

### Contents :

#### UNIT – I

1. Definition of Food and Nutrition, 5 Basic Food groups, Balanced diet
2. Functions of Food :
  - Physiological – Hunger, Appetite, Satiety.
  - Psychological
  - Social, Economic, Cultural.
3. Functions, Sources, Effect of deficiency, Daily allowances of :
  - Macro Nutrients
    - I. Carbohydrates
    - II. Proteins
    - III. Fats
  - Micro Nutrients
    - I. Minerals – Calcium, Iron, Iodine, Fluorine
    - II. Vitamins
      - Water soluble - B Complex vitamins, vitamin C
      - Fat soluble – A,D, E & K
  - Water Balance
  - Energy Metabolism
    - i. Unit of measurement of energy, definition of calorie, kilocalorie.
    - ii. Gross & Physiological fuel value of food.
    - iii. BMR and factors affecting BMR/Energy requirement (RDA) and factors affecting energy requirement.

अकादमिक प्रभारी



## UNIT – II

### 4. Meal Planning

- Advantages & importance of meal planning.
- Goals of meal Planning
  - I. Food budget – factors affecting food budget, budgets for low, moderate & liberal incomes.
  - II. Matching meals to time & energy
  - III. Other factors – taste, aroma, flavour, texture, temperature, traditions, likes & dislikes.
- Factors affecting meal planning.
- Factors affecting food intake.

### 5. Normal Nutrition – Nutritional requirements, physiological demands, problems, dietary guidelines for :

- Pregnancy
- Lactation
- Infancy (With Special emphasis on breastfeeding & complementary feeding)
- Preschool child
- School going child
- Adolescent
- Adult
- Elderly person

## UNIT – III

### 6. Therapeutic Nutrition

- Modification of normal diet to therapeutic diet.
- Dietary management of the following .
  - i. Obesity
  - ii. Under weight
  - iii. Diseases of the gastrointestinal tract – Diarrhoea, Constipation. Dyspepsia/Indigestion
  - iv. Fevers
  - v. Liver – Jaundice
  - vi. Diabetes
  - vii. Hypertension.

### 7. Nutrition Problems of public Health Importance and their management :

- Protein Energy malnutrition
- Anaemia
- Fluorosis
- Vitamin a deficiency
- Iodine Deficiency Disorder

## References :-

1. Srilakshmi B (2011). Dietetics. New Age International publishers
2. Srilakshmi B Food science, New Age International(P) Ltd.Publishers, New delhi
3. Swaminathn MS (2010) AharevamPoshan ,NR Brother, MY hospital marg , Indore,
4. KumudKhanna,Shardagupta, Santosh Jain Passi, Rama Sethi, RanjanaMahna&SeemaPuri (2005), Elite publishing house Pvt. Ltd. Ansari Road, Darya Ganj, New Delhi
5. Mudambi, S.R. AND Rajgopal. M.V. 1997 Fundamentals of food & nutrition, New Age International (P) Ltd, New Delhi.



## FOODS AND NUTRITION PRACTICAL- IV

Maximum Marks:50

Minimum Marks:18

Teaching Workload: 2 practicals/ week (2hrs/practicals)

### Contents:-

1. Methods of cooking: -Preparation of any four dishes using the following methods of cooking
  - Boiling- for e.g. Rice, Tea, coffee
  - Steaming-Idli, Dhokla, Muthia
  - Simmering -Kheer, rabdi, khadhi, custard, stews-apple & pear
  - Frying
    - I. Shallow-Cheela, parantha, tikki
    - II. Deep- pakoda, mathri, samosa, kofta etc.
    - III. Baking- cake, biscuit, nan khatai
    - IV. Roasting- papad, moongphali(groundnuts)
2. Preparation of Beverages- Tea (hot & iced), Coffee (hot & cold), chhaach, lassi, milkshake, fruit punch (using squashes, fresh fruits), lemonade, jaljeera, aamla shake, aampanna, mocktails, (2), mirinda shake.
3. Cereal Cookery- Chapati, puri(plain, missi), parantha(stuffed, plain), cheela, bhatura, rice, (plain, pulao, sweet), khichdi, daliya, upma, halwa, baati, choorma, mathri, (namakpara, shakkarpara), chowmein, pizza, sandwiches (open, toasted, vegetable)
4. Legumes & pulses-daal (plain & daal fry), rajma, chhole, dal makhani, kadhi, mangodi, dahivada, dal pakodi, besanpakodi, sprout chaat, daalhalwa.
5. Vegetables-Dry Vegetables (for e.g. aalugobhi, methiaalu, arbi, bhindi), stuffed vegetables(bhindi, capsicum) vegetables with gravy (daliaalu, malaikofta, gatta, dumaalu, kadhaipaneer, shaipaneer) baked vegetables.
6. Milk & Milk products- panner, khoa, curd, shrikhand, kheer, rabri, fruit custard, raita, fruit cream.
7. Soups-clear & cream including Indian soups-palak, tomato, mix veg., minestrone, sweet corn, pea soup, lentil, raabri.



8. Salad- tossed, fruit salad,spout salad, kosambri,cornchana, pasta salad, salad dressing, (mayonnaise,lemon,vinegar).
9. Savory food preparation- dosa, uttpam, mixed veg. ,cutlets, harabharakabab , burger, samosa, kofta, kachori, spring rolls, vada paw bhaji, sago khichri, bhelpuri.
10. Sweets-jalebi, sandesh, gulabjamun, coconut barfi, gujiya, petha roll, chhainamurki, Jalabi.
11. Meal planning for
  - Pregnant woman
  - Lactating woman
  - Packed lunch for school going child adult man/woman
  - Elderly
12. Plan dishes rich in
  - Energy
  - Protein
  - Calcium
  - Iron
  - Vitamin A/ $\beta$  carotene

### Examination Scheme:-

Total Marks: 50

Major Problems-

25 Marks

#### 1. Meal planning and preparation of one dish for any one of the following

- Pregnant woman
- Lactating woman
- Packed lunch for school going child adult man/woman
- Elderly

#### 2. Minor Problem-

15 Marks

Preparation of one dish from

- Any one method of cooking
- Any one food group (cereals, vegetables, milk etc.)

Internal

10 Marks

अकादमिक प्रभारी

## B. A./B. Sc. Part II Examination-2019

### 7. MATHEMATICS

Teaching : 3 hours per week per theory paper

2 hours per week per batch for practical

(20 candidates in each batch)

#### Examination Scheme :

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

		Duration	Max Marks
Paper – I	Real Analysis	3 hrs	40 (Science) 53 (Arts)
Paper – II	Differential Equations	3 hrs	40 (Science) 53 (Arts)
Paper – III	Numerical Analysis and Optimization Techniques	3 hrs	40 (Science) 54 (Arts)
Practicals		2 hrs	30 (Science) 40 (Arts)

Note :-

01. Syllabus of each of the three papers is divided into FIVE units .
02. Each paper is divided into THREE sections A, B, & C.
03. **Section-A** : TEN short answer type questions will be set taking two questions from each unit. Each question will carry 1 mark for Science and 1.5 mark for Arts. All questions will be compulsory .
04. **Section-B** : TEN questions will be set taking two questions from each unit. Each question will carry 3 marks for Science and 4 marks for Arts. Student has to attempt ONE question from each unit.

(page-02)

अकादमिक प्रभारी  
महाराजा सूरजमल बूज विश्वविद्यालय  
भारतपुर (बिहार)



05. **Section-C** : FIVE questions will be set taking one questions from each unit. Each question will carry 5 marks for Science in all three papers and 6 marks for Arts in paper I & II and 6.33marks in paper III. Student has to attempt ANY THREE Questions.
06. Common paper will set for Faculty of Science and Faculty of Social Science . 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 the head, department of Mathematics in the college.
08. An internal/external examiner can conduct practical examination of not more than 100 (one hundred) candidates( 20 candidates in each batch).
09. Each candidate has to pass in theory and practical examinations separately.

### Paper – I Real Analysis

Teaching : 3 Hours per Week

Duration of Examination : 3 Hours

Max. Marks 40 (Science)


53 (Arts)

**Note:** This paper is divided into THREE Sections A, B, & C. **Section-A** consists TEN short answer type questions. Each question is of 1 mark for Science and 1.5 mark for Arts. All questions are compulsory. **Section-B** consists TEN questions taking two questions from each unit. Each question will carry 3 marks for Science and 4 marks for Arts. Student has to attempt FIVE questions selecting ONE question from each unit. **Section-C** consists FIVE questions taking one questions from each unit. Each question will carry 5 marks for Science and 6 marks for Arts. Student has to attempt ANY THREE questions .

**Unit – I :** The set of real numbers as a complete ordered field, Incompleteness of  $\mathbb{Q}$ , Archimedean and dense properties of  $\mathbb{R}$ , Absolute value of real numbers, Intervals, Limit point of a set, Bolzano-Weierstrass theorem, open and closed sets, Compact sets, Heine Borel Theorem, Connected sets. Equivalent sets, Finite and infinite sets, Denumerable sets, Countable and uncountable sets.

**Unit – II :** Real sequences, Bounded and unbounded sequences, Monotonic sequence, Limit point and limit of a sequence, Convergence of sequences, Necessary and sufficient condition for convergence, Sub sequence, Cauchy sequence, Cauchy's general principal of convergence. Continuity of a function, Cauchy's and Heine's definition of continuity, Types of discontinuity, Properties of continuous functions on closed intervals, Uniform Continuity.

(page-03)



  
अकादमिक प्रभारी

महाराष्ट्र राज्य विद्यापीठ, मुंबई  
महाराष्ट्र राज्य विद्यापीठ, मुंबई



**Unit – III: Differentiability-** Darboux theorem, Rolle's theorem, Algebraic and geometric interpretation of Rolle's theorem, Lagrange's and Cauchy's mean value theorems, Taylor's theorem with various forms of remainders. Limits and Continuity for the functions of two variables. Improper Integrals and their convergence, Comparison test,  $\mu$ -test, Abel's test and Dirichlet's test.

**Unit – IV:** Reimann Integration – partition of an interval, Darboux sums, Lower and Upper Reimann Integrals, Definition of Reimann Integration, Integrability of continuous, discontinuous and monotonic functions, Fundamental theorem of integral calculus, Mean value theorems, Reimann Steiltze's integrals. Differentiation and Integration under the sign of Integration.

**Unit – V :** Uniform convergence of sequence and series of functions, Cauchy's criterion for uniform convergence,  $M_n$ - test, Weierstrass M-test, Abel and Dirichlet's tests, Uniform convergence and continuity, Term by term integration, and term by term differentiation. Fourier Series – Periodic functions, Dirichlet's conditions, Fourier series in the interval  $(\alpha, \alpha+2\pi)$  and particular cases in the interval  $(0, 2\pi)$ ,  $(-\pi, \pi)$ , Half range Fourier series.

## **Paper – II Differential Equation**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**

**Max. Marks 40 (Science)**


**53 (Arts)**

**Note:** This paper is divided into THREE Sections A, B, & C. **Section-A** consists TEN short answer type questions. Each question is of 1 mark for Science and 1.5 mark for Arts. All questions are compulsory. **Section-B** consists TEN questions taking two questions from each unit. Each question will carry 3 marks for Science and 4 marks for Arts. Student has to attempt FIVE questions selecting ONE question from each unit. **Section-C** consists FIVE questions taking one questions from each unit. Each question will carry 5 marks for Science and 6 marks for Arts. Student has to attempt ANY THREE questions.

**Unit – I :** Order and degree of differential equations, Differential equations of first and first degree, Method of separation of variables, Homogeneous differential equation, and equations reducible to homogeneous forms, Linear differential equation and equations reducible to linear forms. Exact differential equation and equations which can be made exact. Differential equations of first order but not of first degree- Differential equations solvable for x, y and p.

**Unit – II :** Clairaut's form and Singular Solutions with extraneous locii. Linear differential equations with constant coefficients, Complimentary functions and Particular integrals.

(page-04)

  
अकादमिक प्रभारी  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

**Unit – III :** Homogeneous linear differential equations, Differential equations reducible to homogeneous linear differential equations. Simultaneous differential equations, Differential equations of the form  $dx/P = dy/Q = dz/R$ : geometric interpretation and method of solution. Exact differential equations of  $n^{\text{th}}$  order, Existence and uniqueness theorem.

**Unit – IV :** Linear differential equations of second order- Solution by finding a part of complimentary function, Solution by transformation into Normal form and by changing the independent variable, Factorisation of operators, Method of variation of parameters, Method of undetermined coefficient.

**Unit – V :** Partial differential equation of first order and first degree, Lagrange's linear equations. Non-Linear partial differential equations of order one: Standard form I, II, III, and IV, Charpit's method. Linear partial differential equations with constant coefficient, Homogeneous and Non-homogeneous linear partial differential equations.

### **Paper – III Numerical Analysis and Optimization Techniques**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**

**Max. Marks 40 (Science)**

**54 (Arts)**

**Note:** This paper is divided into THREE Sections A, B, & C. **Section-A** consists TEN short answer type questions. Each question is of 1 mark for Science and 1.5 mark for Arts. All questions are compulsory. **Section-B** consists TEN questions taking two questions from each unit. Each question will carry 3 marks for Science and 4 marks for Arts. Student has to attempt FIVE questions selecting ONE question from each unit. **Section-C** consists FIVE questions taking one questions from each unit. Each question will carry 5 marks for Science and 6.33 marks for Arts. Student has to attempt ANY THREE questions.

**Unit – I :** Calculus of Finite Differences- Introduction, Difference Operators, Differences of Polynomials, Factorial notation, Relation between difference and derivative, Separation of symbols. Newton-Gregory's formulae for Forward and Backward interpolation with equal intervals, Newton's divided difference interpolation formula, Lagrange's interpolation formula.

**Unit – II :** Central differences- Gauss's central difference interpolation formulae, Stirling and Bessel's interpolation formulae. Numerical differentiation. Numerical integration – General quadrature formula, Trapezoidal rule, Simpson's one-third rule, Simpson's three-eighth rule, Weddle rule, Newton-Cote's quadrature formula, Gauss's quadrature formula.

अकादमिक प्रभारी  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

(page-05)



**Unit – III :** Numerical solution of algebraic and transcendental equations - Graphical method, Iterative method, Regula-Falsi method, Newton-Raphson method and their convergences. Solution of system of linear equations – Gauss's elimination method, Gauss-Jordan's elimination method, method of triangularisation of matrices, Relaxation method. Numerical solution of ordinary differential equations – Picard's successive approximation method, Euler's method and Euler's modified method.

**Unit – IV :** Linear programming problem - feasible solution, optimal solution, Basic solution, Degenerate and non-degenerate basic solution, Convex sets and their properties, Extreme point of a set, Theory of Simplex method, Optimality criterion, Simplex algorithm.

**Unit – V :** Duality in linear programming problem – Dual of l. p. p., properties of the dual, Fundamental theorem of l. p. p. , use of duality to solve l. p. p. . Transportation problem – Basic feasible solution and methods to find it, North-west corner rule, least-cost method, Vogel's approximation method, Optimality criterion, Travelling Salesman problem.

### Practicals

Teaching : 2 Hours per Week

Examination Scheme:


Duration - 2 Hours

	Science	Arts
Maximum Marks	30	40
Minimum Pass Marks	11	14

Distribution of Marks:			
Two Exercises one from each group			
10 marks each	=	20 marks	13 marks each = 26 marks
Practical record	=	05 marks	07 marks
Viva-voce	=	05 marks	07 marks
Total Marks	=	30 marks	40 marks

(page-06)

अकादमिक प्रभारी  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

**Group – A :** Numerical solution of algebraic and transcendental equations using Bisection method, Secant method, Newton-Raphson method.

Jacobi's method and Gauss-Seidal method to solve system of linear equations.

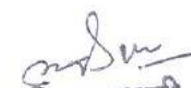
Numerical solution of differential equations using Runge-Kutta methods .

**Group – B :** Modelling of industrial and engineering problem into linear programming problem , its dual and their solution by simplex method, Modelling of industrial and engineering problems into Assignment problem and their solutions.

**Note :-**1. Each candidate (Regular/Non-collegiate) has to prepare his/her record.

2. Students can use Non-programmable scientific calculators.

3. Student must know about all functions and operations of scientific calculator.



अकादमिक प्रभारी  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)

(page-07)



**B. A. Part – II**  
**8. ECONOMICS**

Scheme :-	Pass Marks	Max. Marks
Arts	72	200
Science	54	150

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

Paper - I : Micro Economic Theory

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, Part 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.

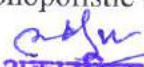
**Paper –I : Micro Economic Theory**

**Section – A**

Micro and Macro Economics. Static, Dynamic and Comparative Static Analysis. Positive and Normative Economics. Theory of Consumer's behavior: Utility Analysis. Indifference Curve Analysis, Consumer's Equilibrium, Price, Substitution and Income Effects. Normal, inferior and Giffen goods. Price Consumption Curve and Derivation of Demand Curve. Elasticity of Demand. Arc and Point Elasticity. Relationship between Elasticity, AR, MR, TR. Factors Affecting Price Elasticity of Demand. Substitute and Complementary Goods, Concept of Consumer's Surplus.

**Section – B**

Production Function : Law of Variable Proportions. Three stages of production function. Iso- quant and Iso- cost, optimum factor combination. Law of returns and returns to scale. Theory of cost- short run and long run cost curves. Different market structures : perfect competition : determination of price and output in the short and long run. Monopoly : determination of price and output in the short and long run. Discriminating monopoly. Monopolistic competition- short and long run equilibrium of the firm excess capacity.

  
**अकादमिक प्रभारी**  
महाराजा सुरजमल बूज विश्वविद्यालय  
भरतपुर (राज.)

### Section – C

Marginal productivity theory of distribution, factor pricing under perfect and imperfect competition in labour market. Recardian theory of rent and quasi- rent. Classical theory of interest. Liquidity preference theory of interest. Risk and uncertainty theory of profit.

Recommended Books: (latest edition)

1. Hal R. Varian : Intermediate Microeconomics, W W Norton and Co. U.S.A.
2. D. Salbotrore : Principles of Micro Economics, Ocford University Press. U.K.
3. H.L. Ahuja : Advanced Economic theory ( microeconomic analysis), S. chand and company, New Delhi.
4. Micro Economic theory, laxminarain Nathuramaka, Ramesh Book Depot, Jaipur. ( Hindi Edition)

### Paper –II : (a) Elements of Statistics and Mathematics

#### Section – A

Surds, Indices, Quadratic Equation, Logrithms, Permutation and Combination, Binomial Theorem, Arithmetic Progression, Geometric Progression and harmonic Progression, Analytical Geometry : Straight Line, Parabola and Hyperbola, matrices and Determinants, Solution of Simultaneous equations by Cramers rule and matrix Inverse. Simple differentiation, Partial differentiation (involving two independent variables). Maxima, Minima, Point of Inflexion. Simple intregation involving one independent variable) Maxima, Minima, Point of Inflexion. Simple Intregation 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 dta; 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)

Recommended Books: (latest edition)

  
अकादमिक प्रभारी  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)





1. B.C. Mehta and G.M.K. madnani, Elementary Mathematics for use in economics, Laxmi Nayaran Agarwal, Agra. ( Hindi edition)
2. S.P. Gupta, Statistical Methods, S. Chand and Sons.
3. S.C. Gupta and V.K. Kapoor, Funamentals of Applied Statistics, S. Chand and Sons, New Delhi.
4. Kailash Nath Nagar, Sankhiyiki ke mool tatva, Meenakshi Prakashan, Meerut. ( Hindi edition)

## **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 taction 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. Theoryof gluts. David Ricardo-theory of value and distribution. Foreign trade. Economic development and theory of rent.

### **Section – B**

Crititics 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 theory of money. Labour 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 profit. Rent and.

### **Section – C**

Economic Ideas of Kautilya. Economic thought of Dadabhai Noroji, mahatma Ghandhi. J.K. Mehta, B.R. Ambedkar and Deendayal Upadhayaya.

Recommended Books: (latest edition)

1. Louise Haney – History of Economic Thought, Surjit publication New Delhi.
2. Eric Roll : History of Economic Thought. Faber and Faber (Rupa)
3. Aarthik Vicharon ka Itihaas, M.L. Chheepa and Shankar Lal Sharma, college book house, Jaipur
4. T.N. Hajela: History of Economic Thought. Ane`sStudent edition Daryagang
5. B.N. Ganguli : Indian Economic Thought, A 19 century perspective.

  
**अकादमिक प्रभारी**  
 महाराजा सूरजमल वृज विश्वविद्यालय  
 भरतपुर (राज.)



# 9. Geography

# GEOGRAPHY

B.A./B.Sc. (Pass Course) Part-II Geography Examination

## 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.

अकादमिक प्रमोदी  
महाराजा सुखदेव नृप सिंह विद्यालय  
भरतपुर (राज.)

82  
2/8/17



## SYLLABUS

### 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.  
गुर्जर, आर.के. एवं जाट, बी.सी. 2013: संसाधन भूगोल। पंचशील प्रकाशन, जयपुर।  
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 applications. 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

(83)

अकादमिक प्रमोदी  
महाराजा सूरजमल बूज विश्वविद्यालय  
भरतपुर (राज.)

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.  
गुर्जर, आर.के. एवं जाट, बी.सी. 2014: मानव भूगोल। पंचशील प्रकाशन, जयपुर।  
Husain, M. 2012: Human Geography. Rawat Publications, Jaipur.  
हारुन, एम. 2006: संसाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।  
Leong, G.C. and Morgan, E.C. 1982: Human and Economic Geography. Oxford University Press, Oxford 2<sup>nd</sup> 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।  
प्रसाद, रामा एवं मीना, जे. 2013: जनसंख्या भूगोल। रीतु पब्लिकेशन, जयपुर।  
Singh, R.L. 2005: Fundamentals of Human Geography. Sharda Pustak Bhawan, Allahabad.

### Practicals

#### Scheme of examination

Min. Pass Marks: 18

Max. Marks: 50

Written test  
Field survey and viva voce  
✓ ✓ ✓

Bifurcation of Marks  
24  
10+04  
08+04

Time  
3 hrs.  
2 1/2 hrs.

अकादमिक प्रभारी  
महाराजा सूरजमल दूज विश्वविद्यालय  
भरतपुर (राज.)



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

#### 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

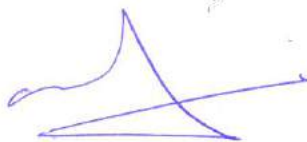
Elements of map reading. History of topographical maps in India, Scheme of topographical mapping in India as per National Map Policy, 2005. Conventional symbols and interpretation of physical and cultural features on topographical maps.

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. 1998: Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi (fourth revised edition).  
Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5<sup>th</sup> 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.

अकादमिक प्रकाशनी  
महाराष्ट्र शासन द्वारा प्रकाशित  
भरतपुर (राज.)



85

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

### 10.PSHYCHOLOGY

#### 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	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 marks each. Each question will be 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 of 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 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.

अकादमिक प्रश्नारी



1. 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.
3. Various norm tables of F ratio, correlation, t test,  $\chi^2$  (Chi-square) etc. will be supplied by examination centre.

### Paper – I

### Psychopathology –

#### Section-A

1. **Introduction** – Meaning of Normality and Abnormality, Characteristics of Abnormal Behaviour; Latest ICD and DSM Classification System.
2. **Psychological Assessment**– Clinical Interview, Diagnostic Tests Intelligence, Neuropsychological, Personality; Behavioural and odily Assessment.
3. **Symptomatology and Etiology of Abnormal Behavior**: Cognitive, Conative and Affective Symptoms; Biological, Psycho-Social, Socio-Cultural, Causes.

अकादमिक प्रभारी

Shankar

### 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 Disorders 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 Psychody 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:

- Sarasan, I.G. and Sarasan, B.R. (2005) Abnormal Psychology, New Delhi: Pearson Education
- Lamm, A. (197). Introduction to Psychopathology N.Y. Sage.
- Buss, A.H. (1999). Psychopathology, N.Y. John Wiley.
- अरुण कुमार सिंह (2002) : आधुनिक असामान्य मनोविज्ञान, दिल्ली, मोतीलाल बनारसीदास।

अकादमिक प्रभारी



## Paper – II

### 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 Variable.
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 Inference 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 Assumptions of Distribution-free Statistics; Chi Square; Equal Probability, 2x2 Contingency Table; Median Tests.
8. **ANOVA**– Purpose and Assumptions of ANOVA, One way ANOVA.
9. **Computer Analysis:** Preparation of Data, Uses of SPSS.

### 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, MC Graw Hill.
- कपिल एच.के.: साँख्यिकी के मूल तत्व, आगरा, विनोद पुस्तक मन्दिर।
- भार्गव महेश, द्वारका प्रसाद एवं लाभ सिंह, मनोविज्ञान एवं शिक्षा में साँख्यिकी, हरप्रसाद भार्गव, कचहरी घाट, आगरा।

### Paper-III

#### Practical –

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. Moudsley Personality Inventory (MPI)
8. Measurement of Adjustment
9. Stress : Measurement and Analysis of Group Data (t-test)
10. Sentence Completion Test

*Chauhan*

*✓*

अकादमिक प्रभारी



**B.A. Part – II**  
**11. 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: 22

**Unit-I - Introduction:**

- (a) Meaning and concept of Anatomy. Physiology and Exercise 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, terminology 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)
  - (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:**

- (a) Effect of exercises on respiratory circulatory muscular system.
- (b) Neuro Muscular Co-ordination.
- (c) Second wind, Oxygen debt and kinesthetic sense.
- (d) Stitches and Cramps.
- (e) Obesity and body weight control.

**Books for Reference:**

1. C.V. Mosby Co, St Louis. : Morehouse & M Physiology of Exercise
2. Srivastava etc, : Textbook of Practical Physiology, Scientific Book Agency, Calcutta.
3. Cuyton AC : Functions of Human Body : WB Saunders Co London.
4. Pearce Evelyn C. Anatomy and Physiology of Nurses, Faber & Faber Ltd London.

5. Karpovich and Sinnset : Physiology of Muscular Activity : WB Saunders Co. London.
6. Pearce JW : 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 किया विज्ञान, हनुमान व्यायाम मण्डल, अमरावती।
9. सिंह टी के : शरीर रचना एवं शरीर किया विज्ञान : दीपक प्रकाशन, जोधपुर।
10. आर्मस्ट्रांग व जैकसन : नसों के लिए शरीर सम्बन्धी ज्ञान : एन.आर.बर्डस, इंदौर।
11. कंवर रमेश चन्द : शरीर किया विज्ञान व स्वास्थ्य शिक्षा: अमित ब्रदर्स नागपुर।
12. ध्यानी वी.एस : शरीर किया विज्ञानीया : चौखम्मा ओरियन्टल, वाराणसी।
13. पाण्डेय के आर वर्मा पी : शरीर किया 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 : MANAGERMENTS & 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 - Organization:**

Organization 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.

### **Unit V - Office Management and Budget:**

- (a) Maintenance of Records, Filling and Office correspondence.
- (b) Physical Education Budget and its Preparation, Maintenance of Accounts, Income & Expenditure (Sources).

### **Books for Reference:**

1. G Tirunarayanan & S Hariharan : Methods in Physical Education, Alagappa College of Physical Education, Alagappauram Karaajudi.
2. Hari Shankar Sharma: Physical Education. Organisation, Administration and Supervision(Hindi).



3. Knapp Clyde and Hagman, EP : Teaching Methods for Physical Education, New York : Mc Graw Hill Book Co. 1984.
4. Bucher CA : Administration of Physical Education and Atuletic Programmes. The CV Kosby Company, London, 1983.
5. Zelgler, EF And Bowiew GW : Management Competency Development in sports and physical education, Lea and Febler, Philadelphia, 1983.
6. कंवर आर सी : शारीरिक शिक्षा संगठन एवं प्रशासन अमित ब्रदर्स, नागपुर
7. अरोड़ा पी के : शारीरिक शिक्षा में संगठन, संचालन एवं मनोरंजन, प्रकाश ब्रदर्स, (लुधियाना)
8. कमरकर ए के और श्रीवास्वत ए के : शारीरिक शिक्षा संगठन, प्रशासन, पर्यवेक्षण एवं शिविर, सुयोग प्रकाशन, अमरावती।
9. मोहम्मद वाहित और दीक्षित एन के : शारीरिक शिक्षा में शिक्षण विधियाँ : डालीगंज रेलवे कॉसिंग, 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 I, II, III) : कल्याणी पब्लिकेशन, लुधियाना।
14. सिदाना अशोक कुमार : शारीरिक शिक्षा सिद्धान्त, मनोविज्ञान एवं इतिहास : श्रीयांश पब्लिकेशन्स, जयपुर।

### 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 candidate's choice from the following: 40 Marks  
(a) Cricket (b) Hockey (c) Kho-kho (d) Yoga



  
**अकादमिक प्रभारी**  
महाराजा सूरजमल बृज विश्वविद्यालय  
भरतपुर (राज.)