

Raj Rishi Bhartrihari Matsya University, Alwar



Syllabus

Three Years / Four Years U. G. Program in
Arts & Science

B.A. / B.Sc.

Semester – III & IV

Subject :- Geography

EXAMINATION 2024-25

Raj Rishi Bhartrihari Matsya University, Alwar

Syllabus

B.A. / B.Sc. Geography

Semester – III & IV

EXAMINATION 2024-25

SEMESTER WISE PAPER TITLES WITH DETAILS

Three/Four Year Bachelor of Arts/Science In Geography									
S. No.	Level	Semester	Type	Title	Credits				Contact Hours
					L	T	P	Total	
1.	5	III	MJR	Geo-T – Resource Geography	4	0	0	4	4
2.	5	III	MJR	Geo-PR – Practical	0	0	2	2	4
3.	5	IV	MJR	Geo-T – Human Geography	4	0	0	4	4
4.	5	IV	MJR	Geo-PR – Practical	0	0	2	2	4

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Syllabus
Semester-III
Geo-T- Resource Geography

Code of course	Title of the course	Level of the course	Credit of the course
Geo -T	Resource Geography	5	4
Type of the course	Delivery type of the course		
Major	Lectures, 60 lectures including diagnostic & formative assessment during lecture hours		
Prerequisites	Central board of secondary education or equivalent		
Objective of the course	To provide an extensive overview of Resource Geography involving both its natural as well as cultural dimensions.		

DURATION- 3 HOURS

MAX MARKS: 20+80=100

MIN MARKS: 08+32=40

Pattern of examination	Bifurcation of marks
Part A	10×2 = 20
Part B	15×4 = 60
Total	80

NOTE:-

1. Internal assessment will be as per University Norms.
2. End semester examination question paper will comprise of two parts: Part A & Part B.
3. Part A will comprise two questions consisting Map Work and Multiple-Choice Questions (MCQs)/ Short Answer type questions.
4. Part B will comprise of four descriptive questions with internal choice from each unit.
5. In all students will have attempt total six questions, two questions from Part A and four questions from Part B

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Syllabus
Semester- III
B.A. PART-II
Resource Geography

Course Contents:-

Unit-I

Nature, scope and significance of Resource Geography, Definition and classification of Resources: Renewable and Non Renewable Resources, Resource classification of Zimmerman. Natural Resources: distribution, exploitation, uses and conservation of forests, water, soils, fisheries, mineral resources, and energy resources (Coal, Petroleum, Natural Gas and Non-conventional energy resources).

Unit-II

Human resources: Population growth, Distribution and Density, causes of inequalities, Population resources: relationship and problems,

Unit-III

Agricultural Resources: Fisheries and Cereal crops: Rice, Wheat, Maize, Barley, Beverages, Tea, Coffee and Tobacco, Commercial crops: Cotton, Rubber, Jute, Sugarcane, Silk and Artificial fibre, Agricultural Regions of the world.

Unit-IV

Concept of Resource Utilisation and their Conservation, Environmental and Cultural Constraints in Resource Utilisation, Water Conservation and Rain Water Harvesting, Soil and Forest Resource Conservation, Land Capability Classification. Resource Regions of the world, Resource Regions of the India, Economic Regions of India, Sustainable Development.

Recommended Readings:-

1. Alexander, J.W; 1979, Economic Geography, Publisher Prentice Hall.
2. Jones and Darkenwald; 1955, Economic Geography, Publisher Macmillan.
3. Miller E; 1962, Geography of Manufacturing, Publisher Prentice Hall.
4. सिंह, के. एन; 2021, आर्थिक भूगोल के मूल तत्त्व, वसुन्धरा प्रकाशन, गोरखपुर।
5. जैन पी; 1980-81, आर्थिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
6. मामोरिया सी.बी; 2020, आर्थिक भूगोल, साहित्य भवन पब्लिकेशंस, आगरा।
7. नेगी बी. एस, 1990, संसाधन भूगोल।
8. मौर्य डी, एस, 2021, संसाधन भूगोल, प्रवालिका पब्लिकेशन्स, इलाहाबाद।

माननी

के. एन. सिंह

चौधरी

Syllabus
Semester-III
Practical (Regular)
GEO-P

Duration 4 Hour

Max. Marks- 10+40=50

Min. Marks- 04+16=20

Code of course	Title of the course	Level of the course	Credit of the course
Geo -P	Practical-IV	5	4
Type of the course	Delivery type of the course		
Major	60 contact Hrs. laboratory lectures and field study including diagnostic and formative assessments during lecture hours		
Prerequisites	Central board of secondary education or equivalent		
Objective of the course	To make the students understand about the cartographic techniques, map representation, data analysis and statistical methods.		

Pattern of examination	Bifurcation of marks	Time
Written test	20	02 hours
Field survey and viva-voce	7+3	02 hours
Record work and viva-voce	7+3	

(Non-Collegiate)

Duration 4 Hour

Max. Marks- 50

Min. Marks- 18

Pattern of examination	Bifurcation of marks	Time
Written test	24	02 hours
Field survey and viva-voce	8+5	02 hours
Record work and viva-voce	8+5	

NOTE:-

1. Each practical batch of 30 students will be allotted 4 hours of teaching per week for practical's.
2. The students will have to prepare B4 Size Record Book which will be simultaneously checked by the Teacher in the class after teaching and evaluated during the examinations.
3. There will be 6 questions (2 questions from each unit) in written paper out of which student have to compulsorily attempt I question from each unit. Candidates are required to attempt 4 questions. All question carry equal marks.
4. The student will have to prepare Survey Sheet individually during the examination.
5. Simple Calculator is permitted in practical examination.

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Syllabus
B.A. Semester- III
Geography Practical

Course Contents:-

Unit-I

Definition of Cartography, Types of Cartographic Symbols and their uses, Drawing Instruments and Materials.

Unit-II

Classification and Representation of Data with the help of Squares, Rectangles, Circles, Spheres, Ring, Pyramids, Wheel Diagrams, Traffic flow diagram, Isochronic chart.

Unit-III

Classification and uses of Maps, Drawing of Isopleth, Choropleth, Chorochromatic, Choro -Schematic and Dot Maps (Simple, Multiple and Multi Colour).

Meaning of Prismatic Compass Survey Implication, Application, Method of Radiation Survey.

Recommended Readings:-

1. Monkhouse, F. J. and Wilkinson, F.J; 1985, Maps and Diagrams. Methuen, London.
2. Mahmood, A; 1998, Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi (fourth revised edition).
3. Raisz, E. 1962, General Cartography. John Wiley and Sons, New York. 5th edition. Singh,
4. R.L. and Singh, Rana, P.B; 1991, Elements of Practical Geography. Kalayani Publishers, New Delhi.
5. Sarkar, A. K; 1997, Practical Geography: A Systematic Approach. Orient Longman, Kolkata
6. Singh, R.L; 2006, Fundamentals of Practical Geography. Sharda Pustak Bhawan, Allahabad.
7. Venkatrameiah, C; 1997, A Text Book of Surveying. University Press, Hyderabad.
8. शर्मा, जे. पी; 2011, प्रयोगात्मक भूगोल की रूपरेखा, रस्तोगी पब्लिकेशन्स, मेरठ।
9. मिश्रा, आर.एन, शर्मा, पी.के; प्रायोगिक भूगोल, रावत पब्लिकेशन्स, जयपुर।

माननीय
प्रो. ए.के. शर्मा
चौधरी

Syllabus
Semester-IV
Geo-T- Human Geography

Code of course	Title of the course	Level of the course	Credit of the course
Geo -T	Human Geography	5	4
Type of the course	Delivery type of the course		
Major	Lectures, 60 lectures including diagnostic & formative assessment during lecture hours		
Prerequisites	Central board of secondary education or equivalent		
Objective of the course	To provide an extensive knowledge about the different aspects of human geography.		

DURATION- 3 HOURS

MAX MARKS: 20+80=100

MIN MARKS: 08+32=40

Pattern of examination	Bifurcation of marks
Part A	10×2 = 20
Part B	15×4 = 60
Total	80

NOTE:-

1. Internal assessment will be as per University Norms.
2. End semester examination question paper will comprise of two parts: Part A & Part B
3. Part A will comprise two questions consisting Map Work and Multiple-Choice Questions (MCQs)/ Short Answer type questions.
4. Part B will comprise of four descriptive questions with internal choice from each unit.
5. In all students will have attempt total six questions, two questions from Part A and four questions from Part B

Syllabus
Semester- IV
B.A.
Human Geography

Course Contents:-

Unit-I

Definition, Aim and Scope of Human Geography, Relation of Human Geography with other Social Sciences. Principles of Human Geography, Essential facts of Human Geography according to Brunhes and Huntington, Schools of man environment relations: Determinism, Possibilism and Neo Determinism.

Unit-II

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, Pygmy, Masai, Badduien and Kirghiz. Tribes in India: Bhils, Nagas, Santhal, Gond, Gujjar of Jammu and Kashmir and Toda

Unit-III

Population Growth and Theories, Distribution and Density of world population. Migration of Population: Causes, Types and Impacts, Population Regions and Population Policies in India.

Unit-IV

Rural Settlements, Factors Affecting Development of Rural Settlements, Types and Pattern 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:-

1. Bergwan, Edward E; Human Geography; 1995, Culture, Connection and Land Scape, Publisher Prentice-Hall, New Jersey.
2. Carr, M, Atterns; 1987, Process and Change in Human Geography, Me Millan Education London.
3. Fellman, J.L; 1997, Human Geography- Landscapes of Human Activities. Brown and Benchmart Pub., U.S.A.
4. De Blij H.J; 1996, Human Geography, Culture, Society and Space, John Wiley, New York.
5. कौशिक; मानव भूगोल के सरल सिद्धान्त, रस्तोगी एण्ड कम्पनी, मेरठ ।
6. विश्व नाथ द्विवेदी एण्ड कनोजिया; मानव भूगोल के सिद्धान्त, किताब महल, इलाहाबाद ।
7. जोशी रतन; मानव एवं पर्यावरण, साहित्य भवन पब्लिकेशन, आगरा ।
8. खुल्लर, डी. आर; मानव भूगोल, कल्याणी पब्लिशर्स ।

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Semester-IV
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4. The student will have to prepare Survey Sheet individually during the examination.
5. Simple Calculator is permitted in practical examination.

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Syllabus
B.A. Semester-IV
GEOGRAPHY PRACTICAL

Course Contents:-

Unit-I

Elements of Map Reading, History of Topographical Maps in India, Scheme of Topographical Mapping in India, Conventional Symbols and Interpretation of Physical and Cultural Features on Topographical Maps.

Unit-II

Statistical Methods: Mean, Median and Mode: Standard Deviation, Calculation of Coefficient of Correlation (Spearman's and Karl Pearson's).

Unit-III

Tools of Prismatic Compass Survey, Correction of Bearing, Method of Intersection Survey.

Recommended Readings:-

1. Monkhouse, F. J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London.
2. Mahmood, A 1998: Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi (fourth revised edition).
3. Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition. Singh,
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9. मिश्रा, आर.एन, शर्मा, पी.के: प्रायोगिक भूगोल, रावत पब्लिकेशन्स, जयपुर।