

**Raj Rishi Bhartrihari
Matsya University, Alwar**



Syllabus

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

B.A. (Hons.)

Semester – III & IV

Subject :- Geography

EXAMINATION 2024-25

Raj Rishi Bhartrihari Matsya University, Alwar

Syllabus

B.A. (Hons.) Geography

Semester – III & IV

EXAMINATION 2024-25

SEMESTER WISE PAPER TITLES WITH DETAILS

Three/Four Year Bachelor of Arts In Geography									
S. No.	Level	Semester	Type	Title	Credits				Contact Hours
					L	T	P	Total	
1.	5	III	MJR	Geo-T – Political Geography	4	0	0	4	4
2.	5	III	MJR	Geo-T – Population Geography	4	0	0	4	4
3.	5	III	MJR	Geo-PR – Practical	0	0	4	4	8
4.	5	IV	MJR	Geo-T – Bio-Geography	4	0	0	4	4
5.	5	IV	MJR	Geo-T – Statistical Methods In Geography	4	0	0	4	4
6.	5	IV	MJR	Geo-PR – Practical	0	0	4	4	8

Dr. J. K. Singh
1/11/24
11/11/24

Syllabus
B.A. (Hons.)-Semester-III
Geo-T- Political Geography

Code of course	Title of the course	Level of the course	Credit of the course
Geo -T	Political 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 Political Geography with its multiple dimensions including political landscapes of the world and their relations.		

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

B.A. (Hons.) Semester III
Syllabus Paper-V
Political Geography

Course Contents:-

Unit I

Meaning, Nature, Scope and Subject matter of Political Geography, Political Geography and critical geopolitics, Approaches to the study of Political Geography, Morphological, functional and United field theory, Role of Physical, Demographic, Economic, Socio Cultural and Historical factors in the emergence of States.

Unit II

State as a politico territorial phenomenon, changing nature of location, size and shape in political geography of states, political and administrative framework and it's hierarchical relationship to unitary and federal form of governance.

Unit III

Boundaries and frontiers, functions and classification of international boundaries, global strategic views of Mackinder, Spykman, DE Seversky and Mahan and their relevance to contemporary world situation

Unit IV

Under development and international policies, the north south dialogue, SAARC and ASEAN, The new international economic order, International tensions, West Asia and Indian ocean region, Regionalism in international Relations, Geo political Dimensions of Environment.

Recommended Readings:-

1. Blij, H.J.De: Systematic Political Geog., John Willey & Sons, New York.
2. Dixit, R. D: Political Geography: A contemporary perspective, Tata McGraw Hill, New Delhi.
3. Muir, R: Modern Political Geography, McMillan, London.
4. Prescott, J.R.V: Political Geography, Methuen & Co. London.
5. Taylor P: Political Geography, Longman, London.
6. भट्टाचार्य एवं आच्छा: राजनैतिक भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी ।
7. सक्सेना, हरिमोहन: राजनैतिक भूगोल, रस्तोगी एण्ड कम्पनी, मेरठ ।

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Syllabus
B.A. (Hons.)-Semester-III
Geo-T- Population Geography

Code of course	Title of the course	Level of the course	Credit of the course
Geo -T	Population 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 of Population Geography involving the numerous dimensions of world population and Indian population.		

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
B.A.(Hons.) Semester- III
Paper VI: Population Geography

Course Contents:

Unit I

Population Geography: Definition, Nature, Scope and Interdisciplinary Study, Theories of Population Growth- Pre-Malthusian Views, Malthus' theory, Marxist Theory, Optimum Population Theory, Demographic Transition Model.

Unit II

World Population Distribution, Growth Trends and Determinants, Migration: History, Theories, Trends and Patterns of International and Internal Migration, Population Dynamics: Fertility and Mortality - Measurement, Determinants and Distribution,

Unit III

World Population Composition and its Characteristics, World Urbanization and its Trends, Pattern and Challenges, Urbanization and Population Explosion in the world.

Unit IV

India Population Characteristics and Relationship with Development: Population Control Movement and Policies: Urbanization and Population Explosion; Post-Independence Development Reproductive and Child health Programme, Contemporary Issues - Ageing of Population; Declining Sex Ratio; Hiv /Aids.

Recommended Readings:-

1. Chandna, R.C: Population Geography. Kalyani Publishers, Delhi.
2. Garnier, J.B: Geography of Population. Longman, U.K.
3. Hassan, M.I: Population Geography. Rawat Publication, Jaipur.
4. Newbold, K.B: Population Geography Tools and issues, Rowman & Littlefield Publications, London.
5. Woods, R: Theoretical Population Geography. Longman, U.K.
6. मौर्य, एस.डी: जनसंख्या भूगोल शारदा पुस्तक प्रकाशन, प्रयागराज.
7. चांदना, आर.सी: जनसंख्या भूगोल, कल्याणी पब्लिकेशन.

जांचनी

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चांदना

Syllabus
B.A. (Hons.)-Semester-III
Practical 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-III	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 and data analysis.		

Pattern of examination	Bifurcation of marks	Time
Written test	40	02 hours
Field survey and viva-voce	14+06	02 hours
Record work and viva-voce	14+06	

NOTE:-

1. Each practical batch of 30 students will be allotted 4 hours of teaching per week for practicals.
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 8 questions (2 questions from each unit) in written paper out of which student have to compulsorily attempt 1 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. (Hons.)- Semester III
Geography Practical

Course Contents:-

Unit I

Definition, Meaning and Types of Cartographic Symbols and its uses - Point, Line and Area, Definition and Classification of Distribution Maps.

Unit II

Representation of Population Data - Distribution (Dot), Density (Choropleth), Growth (Ring), Age and Sex-Composition (Pyramid-Simple, Superimposed and Compound), Urban & Rural Population (Dot & Circle, Dot & Sphere).

Unit III

Plane Table Surveying: Equipment's, Procedure, Traversing- Open and Closed Traverse, and Definition and Use of Indian Pattern Clinometer.

Recommended Readings:-

1. Monkhouse, E.J. :Maps and diagrams, Methuen Co. London.
2. Robinson, A.H.: Maps and diagrams, John Willey & Sons, New York.
3. Mishra R.P.: Fundamental of Cartography, MacMilon, New Delhi.
4. Singh R.L.: Elements of Practical Geography, Kalyani Publishers, New Delhi.
5. जे. पी. शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
6. एम. एस. जैन : प्रायोगिक भूगोल, साहित्य भवन, आगरा।
7. आर. एन. मिश्रा पी. के. शर्मा, प्रायोगिक भूगोल रावत प्रकाशन, जयपुर

जायजी

रि. के. शर्मा

चौधरी

Syllabus
B.A. (Hons.)-Semester-IV
Geo-T- BIO-GEOGRAPHY

Code of course	Title of the course	Level of the course	Credit of the course
Geo -T	BIO- 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 Bio-Geography involving multiple dimensions of the Bio-landscapes of the World with special reference to Rajasthan.		

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
B.A.(Hons.) Semester-IV
PAPER-VII: Bio-Geography

Course Contents:

Unit-I

Definition, Scope and Significance of Bio Geography, Basic Ecological Principles, Bio Energy Cycle in the Terrestrial Ecosystem and Energy Budget of the earth, Trophic and Food Chain, Darwin's Theory of Evolution.

Unit-II

Concept of Biome and Community. Origin of Fauna and Flora, Geographical Distribution, Major Gene centers, Plants and Animals and their Dispersal, Distribution of plant life on the earth and its relation to Soil Types, Climates and Human Practices, Geographical distribution of Animal life on the earth and its Relation to Soil.

Unit-III

Vegetation Type, Climates and Human Practices, Ecological changes over Space and Time, Ecosystem Stability and Disturbance, Managed Ecosystem, Agricultural Urban case studies of Human induced Ecological changes

Unit-IV

Desert Ecosystem with specific reference to Rajasthan, Wetland ecosystem with specific reference to the Rajasthan Wetlands, Agricultural ecosystem with specific reference to the Indira Gandhi Nahar Pariyojana, Industrial effluents and its effect on freshwater bodies and Riverine Ecosystem, Management Practices with special reference to Rajasthan

Recommended Readings:-

1. Robinson M.H.: Bio Geography, E.L.B.S. McDonal Evans, London.
2. Symmons, I.G.: Bio-geographical Processes, George Allen and Unwi, London.
3. Berry, C. Biogeography - An ecological and Evolutionary Approach, Cox Blackwell, Oxford, 1977.
4. Joy, T. Biogeography - A Study of Plants in 1971 the Ecosphere, Oliver and Boyd. Edinburgh.
5. Mathur, H.S.: Essentials of Bio Geography, Jaipur.
6. Seddon, B: Biogeography, Duckworth, London, 1971.
7. Martin, C.: Plant Geography, Mathuen, 1975.
8. Philip, J. Zoo Geography- The Geographical Distribution of Animals, John Willey, New Yourk, 1957.
9. सिंह .सर्विंदर जैव भूगोल, प्रवालिका पब्लिकेशन, प्रयागराज
10. कुलश्रेष्ठ, के. पी. जैव भूगोल, किताब घर, कानुपर ।
11. जोशी रतन : जैव भूगोल एवं जैव विविधता, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर ।

माननी

के. पी. जोशी

चौधरी

Syllabus
B.A. (Hons.)-Semester-IV
Geo-T- Statistical Methods In Geography

Code of course	Title of the course	Level of the course	Credit of the course
Geo -T	Statistical Methods In 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 of the use of statistical methods in Geography including different aspects of Research Methodology.		

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
B.A.(Hons.) Semester-IV
Paper-VIII: Statistical Methods In Geography

Course Contents:-

Unit-I

Nature, Scope and Significance of the Statistical Techniques in Geography. Data Types, Sources, Collection, Editing, Tabulation and Classification. Frequency Distributions, Characteristics of Frequency Distribution: Number of Classes, Class Interval; Types of Frequency Graphs - Histogram; Frequency Polygon and Frequency Curve.

Unit - II

Measures of Central tendency-Arithmetic, Harmonic and Geometric mean. Median, Quartile and Mode. Measures of Variations of Dispersion Range, Quartile Deviation, Mean Deviation, Standard Deviation; Lorenz curve; Normal curve; Relative variation; measures of Skewness; Kurtosis.

Unit - III

Methods of Correlation - Graphical, Spearman's Rank, Karl Pearson's. Regression, Regression Line and Confidence limits; Methods of Interpolation and Extrapolation, Index Number.

Unit-IV

Theory of Probability-basic principles: axioms probability. Probability Distribution Theory of Sampling: Types of Sampling Random, Systematic and Stratified Sampling: Problems Application of Sampling Methods in Geography T-Test and Chi-Square Test.

Recommended Readings:-

1. Aslam, Mahmood: Statistical Methods in Geographical Studies, Rajesh Publication, Delhi 1977.
2. Duncan, C.D. et.al: Statistical Geography C. Problems in Analysis Areal Data, Free of Gleneo, New York, 1961.
3. Gregory, S.: Statistical Methods and the Geographer, Longman's London, 1963.
4. King, L.J.: Statistical Analysis in Geography, Prentice Hall, Englewood Cliff, N.J.
5. Lewis Peter: Maps and Statistics, Methuen & Co.Ltd., London, 1977.
6. Norchiffe, Inferential Statistics for Geographers, Kalyani Publishers, New Delhi, 1979.
7. Yeats Mauries,: An Introduction to Quantitative Analysis in Economic Geography, McGraw Hill, New York. 1968
8. शर्मा. पीएम ,सांख्यिकी भूगोल हिंदी ग्रंथ अकादमी ,जयपुर
9. नागर.कैलाशनाथ ,सांख्यिकी के मूल तत्व ,मीनाक्षी पब्लिकेशन, मेरठ

Syllabus
B.A- (Hons.) Semester-IV
Practical GEO-P

Duration 4 Hour

Max. Marks- 20+80

Min. Marks- 08+32

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 and data analysis and a vivid knowledge of Socio Economic Survey.		

Pattern of examination	Bifurcation of marks	Time
Written test	30	02 hours
Field survey and viva-voce	10+05	02 hours
Record work and viva-voce	10+05	
Report of Socio Economic Survey and Viva- Voce Work	12+08	

NOTE:-

1. Each practical batch of 30 students will be allotted 4 hours of teaching per week for practicals.
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 8 questions (2 questions from each unit) in written paper out of which student have to compulsorily attempt 1 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. (Hons) Semester-IV
Geography Practical

Course Contents:-

Unit I

Representation of Agricultural Data - Land use (Divided Circle), Production (Square and Rectangle), Irrigated Area as Percentage to Total Cropped Area (Choropleth), Distribution (Dot and Symbols).

Unit II

Representation of Industrial Data - Production and Trade (Polyline Graph, Band-Graph, Blok Pile, Bar- Simple, Compound and Multiple), Transport Data - Traffic flow Diagram.

Unit III

Plane Table Surveying: Methods- Radial, Intersection, Concept of Resection: Two Point and Three Point Problem. Socio-Economic Survey Camp (3 Days) of any village/Town in Rajasthan State. Report should be prepared by each student separately and should be submitted in the form of Hardcopy and PPT.

Recommended Readings:-

1. Monkhouse, E.J; Maps and diagrams, Methuen Co. London.
2. Robinson, A.H.: Maps and diagrams, John Willey & Sons, New York.
3. Mishra R.P.: Fundamental of Cartography, Mac Milon, New Delhi.
4. Singh R.L.: Elements of Practical Geography, Kalyani Publishers, New Delhi.
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7. आर. एन. मिश्रा पी. के. शर्मा, प्रयोगिक भूगोल रावत प्रकाशन, जयपुर।