



**Maharaja Surajmal Brij University**  
Bharatpur (Raj.)

**SYLLABUS OF GEOGRAPHY**  
**B.A. (Part I, II, III)**

**Only For Session**  
**2020-21**



**B.A. / B.Sc. (Pass Course) Part. I**  
**GEOGRAPHY**

**Schemes of Examination -**

<b>Faculty</b>	<b>Minimum Pass Marks</b>	<b>Maximum Marks</b>
Art/Social Science	72	200
Science	54	150
Paper I	Physical Geography	Arts 75 Science 50
Paper II	Geography of Rajasthan	Arts 75 Science 50
Practical	18	Arts 75 Science 50

**Notes -**

1. Students are permitted to use stencils, simple calculator and log tables wherever needed in both theory and practical examinations. Each theory paper will have a teaching of 4 hours per week.
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 09 questions carrying equal marks will be set with 03 questions from each section of the syllabus.
5. Candidate will attempt 05 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 appointed by the University.
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 Maharaja Surajmal Brij University, Bharatpur 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 Bharatpur and Dholpur Districts will attend the practical camp at the Post Graduate Departments of Colleges fixed by the University. Candidates will pay fee for this 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.



**SYLLABUS**  
**PAPER I: PHYSICAL GEOGRAPHY**

**Section A**

Definition of physical geography, zoning of Earth's interior, rocks, origin of continents and oceans; continental drift theory and plate tectonics; concept of isostasy: views of Airy and Pratt, Earth movement: epeirogenic and organic; mountain building theories: Kober, denudation, cycle of erosion: views of W. M. Davis and W. Penck, erosional and depositional topographies: river and wind.

**Section B**

Composition and structure of the atmosphere, insulation, air temperature, air pressure, pressure belts and planetary winds, monsoon and local winds, air masses, fronts and cyclones: tropical and temperate.

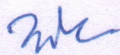
**Section C**

Ocean deposits, horizontal and vertical temperature of oceans and currents, coral reefs and their origin: views of Darwin, classification of marine resources, biomes, equatorial rainforests, monsoon, savanna and temperate grasslands.

**Recommended Readings:**

- चौहान वी.एस. व गौतम, ए. (2005): 'भौतिक भूगोल (जीवनमंडल सहित)', रस्तोगी पब्लिकेशन, मेरठ।  
दयाल, पी. (2012): 'भौतिक भूगोल', राजेश पब्लिकेशन्स, नई दिल्ली।  
गौतम, अलका (2012): 'भौतिक भूगोल', रस्तोगी पब्लिकेशन्स, मेरठ।  
Hussain, M. (2001): 'Fundamentals of Physical Geography', Rawat Publication, Jaipur  
Hess, D. (2012): 'Physical Geography: A Landscape Appreciation', PHI Learning Private Limited, New Delhi, Mcknight's Tevtt Edition.  
Khullar, D.R. (2012): 'Physical Geography', Kalyani Publishers, New Delhi  
सिंह, सविन्द्र (2005): 'भू-आकृति विज्ञान', तारा पब्लिकेशन, वाराणसी।  
सिंह, सविन्द्र (2011): 'भौतिक भूगोल का स्वरूप', प्रयाग पुस्तक भवन, इलाहाबाद।  
शर्मा, एच.एस., शर्मा एम.एल. व मिश्रा आर.एन. (2008): 'भौतिक भूगोल', पंचशील प्रकाशन, जयपुर।  
Sharma, R.C. & Vatal, M. (1999): 'Oceanography for Geographers', Chaitanya Publishing House, Allahbad.  
Strahler, A.N. & Strahler, A.H. (1989): 'Elements of Physical Geography', John Wiley & Sons, New York.  
Tikkha, R.N. (1999): 'Physical Geography', Kedarnath Ramnath & Com., Meerut.

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**SYLLABUS**  
**PAPER II: GEOGRAPHY OF RAJASTHAN**

**Section A**

Physical aspects of Rajasthan: climate, drought, drainage, natural vegetation, availability, problems and conservation of water resources.

**Section B**

Mineral resources: distribution and production; Power and energy resources: coal, petroleum, solar energy, irrigation sources, irrigation projects: detailed study of Indira Gandhi canal project, Chambal valley project, Mahi Bajaj Sagar project on physical and socio-economic aspects, live stock and dairy development.

Industries: textile, cement, marble, zinc and copper smelting Transport & trade, development of tourism, tribal areas development programme, Aravali hill development programme.

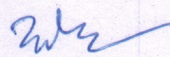
**Section C**

Cultural and development aspects: population resource, growth, distribution and density, male and female population, literacy status, occupational structure, schedule castes and schedule tribes, population problems, study of bhil, meena and garasia.

**Recommended Readings:**

- नाथूरामका, एल.एन., (2012-13): 'राजस्थान की अर्थव्यवस्था', कॉलेज बुक हाउस, जयपुर ।  
साईवाल, स्नेह (2012-13): 'राजस्थान का भूगोल', कॉलेज बुक हाउस, जयपुर ।  
Bhalla, L.R. (1996-97): 'Geography of Rajasthan', Kuldeep Publications, Jaipur.  
Gujar, R.K. (1992): 'Geography of Indira Gandhi Canal', Rajasthan Hindi Granth Academy, Jaipur.  
Lodha, R. & Maheshwari, D. (2001): 'Geography of Rajasthan', Shahitya Bhawan Publication, Hospital Road, Agra.  
Mishra, V.C. (1967): 'Geography of Rajasthan', National Book Trust of India, New Delhi.  
Singh, R.L. (1971) (ed.): 'India: A Regional Geography', NGSI, Varanasi.  
Singh, Attar (1992): 'Flood Prone Areas of India', Avishkar Publishers, Jaipur.  
Sharma, H.S. & Sharma, M.L. (2014): 'Geography of Rajasthan', Panchshil Publisher, Jaipur.  
सक्सेना, एच.एम. (2012): 'राजस्थान का भूगोल', राजस्थान हिंदी ग्रन्थ अकादमी, जयपुर ।

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**B.A. / B.Sc. (Pass Course) Part. II**  
**GEOGRAPHY**

**Schemes of Examination -**

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Paper II	Geography of Rajasthan	Arts 75 Science 50
Practical	18	Arts 75 Science 50

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**SYLLABUS**  
**Paper I: Resources Geography**

**Section A**

Definition and classification of resources: renewable and non renewable resources. Natural Resources: distribution, exploitation, uses and conservation of forests, water, soils, energy resources (coal, petroleum, natural gas and non conventional energy resources).

**Section B**

Human resources: population growth, distribution and density. Agricultural resources: fisheries and cereal crops: rice, wheat, beverages tea, coffee commercial crops: cotton, jute, sugarcane, Agricultural regions of the world.

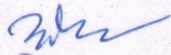
**Section C**

Concepts of Resources utilization, their conservation environmental and cultural constraints in resource utilization, water conservation and rainwater harvesting, soil and forest resources conservation, resources regions of the world, resources regions of 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, पब्लिकेशन, 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.

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**SYLLABUS**  
**Paper II: Human Geography**

**Section A**

Definition of Human Geography, Principles of human geography, schools of man-environment relations: determinism, possibilism and neo-determinism.

**Section B**

Classification of human races: types, characteristics and distribution, human races in India, tribes in the world: eskimos, bushman, pigmy, tribes in India: bhils, nagas, gond, Population growth, distribution and density of world population.

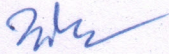
**Section C**

Migration of population: causes, types and impact; population regions and population policies in India, 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. & Summners, L.W. (eds.) (1967): 'Introduction to Geography', Thomas Crowell Co., New York.
- Dear, M.J. & Flusty, S. (ed.) (2002): 'The Spaces of Post Modernity: Readings in Human Geography', Blackwell Publishers Ltd., Oxford.
- Fellmen, Getis & 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.
- हारून, एम. (2006): 'संसाधन भूगोल', वसुंधरा प्रकाशन, गोरखपुर ।
- Leong, G.C. & Morgan, E.C. (1982): 'Human and Economic Geography', Oxford University Press, Oxford 2nd Edition.
- कौशिक, एस.डी. (2012): 'मानव भूगोल', रस्तोगी पब्लिकेशन्स, मेरठ ।
- मौर्या, एस.डी. (2005): 'जनसंख्या भूगोल', शारदा पुस्तक भवन, इलाहाबाद ।
- पंडा, बी.पी. (2001): 'जनसंख्या भूगोल', मध्यप्रदेश हिंदी ग्रन्थ अकादमी, भोपाल ।
- राव, बी.पी. एवं राव, बी.के. (2008): 'मानव भूगोल', वसुंधरा प्रकाशन, जयपुर ।
- प्रसाद, रामा एवं मीना, जे. (2013): 'जनसंख्या भूगोल', ऋतु पब्लिकेशन, जयपुर ।
- Singh, R.L. (2005): 'Fundamentals of Human Geography', Sharda Pustak Bhawan, Allahabad.

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**Practical  
Scheme of Examinations**

Minimum Pass Marks : 18

Maximum Pass Marks : 50

	Bifurcation of Marks	Time
Written Exam	24	3 hrs.
Field survey and viva voce	10 + 04	2 ½ hrs.
Viva voce	08 + 04	

Note –

1. There shall be 06 questions in written exam paper selecting at least 02 question from each section. Candidates are required to attempt 03 questions selecting 01 question from each section. All question carry equal marks.

**SYLLABUS**

**Section A**

Definition of cartography, types of cartographic symbols and their uses, classification and representation of data with the help of squares, rectangles circles, spheres, ring, pyramids, wheel diagrams.

**Section B**

Classification and uses of maps, drawing of isopleth, choropleth, chorochromatic, choroschematic and dot maps (simple, multiple and multi color), measures of central tendency: mean, median, mode, quartiles.

**Section C**

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 (5th edition).

Singh, R.L. and Singh, Rana, P.B. (1991): 'Elements of Practical Geography', Kalayani Publishers, New Delhi.

Sarkar, A.K. (1997): 'Practical Geography: A Systematic Approach', Orient Longman, Kolkata.

शर्मा, जे.पी. (2011): 'प्रयोगात्मक भूगोल की रूपरेखा', रस्तोगी पब्लिकेशन्स, मेरठ।

Singh, L.R. (2006): 'Fundamentals of Practical Geography', Sharda Pustak Bhawan, Allahabad.

Venkatramneiah, C. (1997): 'A Text book of Surveying', University Press, Hyderabad.



**B.A. / B.Sc. (Pass Course) Part. III**  
**GEOGRAPHY**

**Schemes of Examination -**

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**SYLLABUS**  
**Paper I: Geography of Asia**

**Section A**

Asia in context of the world, geological structure, relief, drainage system and climate. Natural vegetation, Population: distribution, density and growth.

**Section B**

Agriculture: main characteristics and problems of Asian agricultural; distribution and production of major crops: rice, wheat, cotton, tea, sugarcane, mineral resources: distribution, deposits and production of iron ore, copper, power resources: distribution, deposits and production of coal, petroleum and natural gas. Industries: distribution and production of iron and steel industry and cotton textile.

**Section C**

Regional geography of Japan, China, Pakistan in terms of physiography, climate, drainage pattern, soils, vegetation, minerals, agriculture, industry, human resources.

**Recommended Readings:**

Hussain, M. (2004): 'World Geography', Rawat Publication, Jaipur.

Johnson, D.L. et al (2012): 'World Regional Geography: A Development Approach', PHI Learning Pvt. Ltd., New Delhi.

मामोरिया एवं अग्रवाल, (2012): 'एशिया का भूगोल', साहित्य भवन, आगरा।

राव, बी.पी. एवं सतपथी, डी.पी. (2002): 'एशिया की भौगोलिक समीक्षा', वसुंधरा प्रकाशन, गोरखपुर।

सतपथी, डी.पी. (1995): 'चीन की भौगोलिक समीक्षा', वसुंधरा प्रकाशन, गोरखपुर।

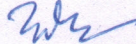
सक्सेना, एच.एम. (2010-11): 'विश्व का प्रादेशिक भूगोल', रस्तोगी पब्लिकेशन्स, मेरठ।

Shafi, M. (2000): 'Agricultural Geography of Asia', Macmillan, Delhi.

Tikkha, R.N. (1997): 'World Regional Geography', New Academic Publishing Company, Jalandhar.

Trewartha, G.T. (1961): 'Japan: A Physical, Cultural and Regional Geography', Mathu & Company, London.

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**SYLLABUS**  
**Paper II: Geography of India**

**Section A**

India in the context of South and Southeast Asia, physiographic divisions, climate: mechanism of Indian monsoon, major climatic regions, vegetation, major soils and regions; drainage system, forests, mineral and power resources.

**Section B**

Agriculture: major crops, green revolution, livestock resources and their development, industrial localization with reference to iron and steel, cotton textile, cement; population growth, distribution, human resource development.

**Section C**

Regional disparities in economic development, planning and economic regions of India, problems and prospects of linking of rivers, environmental issues in India, transport development: rail, road, foreign trade: challenges and prospects.

**Recommended Readings:**

- Gautam, Alka, (2010): 'Geography of India', Rastogi Publications, Meerut.  
Gopal Krishnan, R. (2001): 'Geography of India', Jawahar Publishers & Distributors, New Delhi, 2<sup>nd</sup> Edition.  
गुर्जर, आर.के. एवं जाट, बी.सी. (2013): 'भारत का भूगोल', पंचशील प्रकाशन, जयपुर ।  
Khullar, D.R. (2006): 'India a comprehensive Geography', Kalyani Publishers, New Delhi.  
मामोरिया, सी. (1999): 'आधुनिक भारत का वृहद भूगोल', साहित्य भवन पब्लिकेशन्स, आगरा ।  
Sdasyuk, G. and Sengupta, (1968): 'Economic Regionalisation of India', Census of India Publication, New Delhi.  
Singh, G. (1998): 'A Geography of India', Atma Ram & Sons, Delhi, 6<sup>th</sup> Edition.  
Singh, R.L. (ed.) (1971): 'India: A Regional Geography', NGSI, Varanasi.  
Spate, O.H.K. and Learmonth, A.T.A. (1967): 'India and Pakistan: Land, People and Economy', Methuen and Co., London.  
Tirtha, R. (2000): 'Geography of India', Rawat Publications, Jaipur 2<sup>nd</sup> Edition (India).  
तिवारी, आर.सी. (2012): 'भारत का भूगोल', प्रयास पुस्तक भवन, इलाहाबाद ।

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### Section A

Definition, classification, uses and characteristics of map projection: (graphical constructions).

Conical Projections:

1. with the one standard parallel
2. with two standard parallel
3. Bonne's

Cylindrical Projections:

1. Equidistance
2. Equal Area
3. Mercator's Universal Transverse Mercator (UTM)

### Section B

Zenithal Projections: (only polar case)

1. Gnomonic
2. Stereographic
3. Orthographic

Three dimensional diagrams: sphere, cube.

### Section C

Plane table surveying: equipments, procedure, traversing - open and closed traverse, methods - radial and intersection, concept of resectioning.

### Recommended Readings:

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Raisz, E. (1962): 'General Cartography', John Wiley and Sons, New York. 5<sup>th</sup> edition.

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