

**S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302015**

B.A/B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part I

B.A./B.Sc. Geography, Semester-1st

<u>Science</u>	<u>Arts</u>
Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each =04M.	Part-A : 04 Ques.: Map (Comp.) 4x1¼ M.Each =05M.
Part-B : 10 Ques.: Short. Ans. Comp. 10x1 M.Each =10M.	Part-B : 10 Ques.: Short. Ans. Comp. 10x½ M.Each =05M.
Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.
Total Marks of End Semester Exam = 54M.	Total Marks of End Semester Exam = 50M.
Internal Assessment (CIA) = 21M.	Internal Assessment (CIA) = 20M.
Maximum Marks each Semester per paper = 75M.	Maximum Marks each Semester per paper = 70M.
Minimum Marks = 30M.	Minimum Marks = 28M.

Physical Geography -I (Lithosphere)

Paper Code: GEO 101 (Theory - Paper I)

Section-A

Nature and scope of physical geography, main division of physical geography, Solar system, Geological Time Scale, Origin of the Earth- Introduction to various theories, View on Boson.

Section-B

Interior of the Earth, Theory of Isostasy, Origin of continents and oceans-Theory of Continental Drift (Wegener's Drift theory);Introduction of Plate tectonics, Sea-floor spreading,

Section-C

Rocks : Origin and classification, Endogenetic and Exogenetic Forces of the Earth. Meaning and concept of Geosynclines Mountain Building Theories (Joly, Kober , Homes).Volcanoes and related landforms. Earthquakes and seismology, Denudation: (i) Weathering- types and results, (ii) Erosion- and conservation of land.

Section-D

Agents of erosion- Works of running water, glaciers, wind, waves and underground water and their landforms. Erosion – Concept of Cycle of erosion. Rejuvenation of landforms, Normal Cycle of Erosion by Davis and Penck.

Geography of Rajasthan-1 (Physical and Cultural Aspects)

Paper Code: GEO 102 (Theory - Paper II)

Section-A

Geological structure, Physiographic division of Rajasthan : Western sandy plain, Aravali range, Eastern plains, Hadoti plateau. Climate : Climatic condition in Rajasthan, Climatic regions of Rajasthan. Drought and Famine in Rajasthan, Government programmes to deal with them. Rivers of Rajasthan: Arabian sea drainage system, Bay of Bengal drainage system, Lakes of Rajasthan-Sweet water lakes, Salty lakes, water resource availability, problems and conservation of water.

Section-B

Soil: Classification and distribution of soils in Rajasthan, soil erosion and soil conservation, Desertification. Desert development programme. Aravali Hill Development Programme. Introduction, Factors affecting vegetation : Physical, Climatic, Biotic, Types of natural vegetation, Forest depletion and their conservation, Government steps for improvement, Programmes for their development.

Section-C

Factors affecting population, Growth, Distribution and Density of population in Rajasthan, qualitative and quantitative aspects of population, Schedule tribe and Schedule cast, Population Problems and appraise. Introduction, factors affecting the Site and Situation of settlements, types of settlements. Rural and Urban settlements and their pattern. Building materials

Section-D

Tribes of Rajasthan: Meena, Bhils, Garasia ,their problems, Programmes for their development. Regional planning approach-Regional developments, developed regions, schemes of development, problems.

Essential Readings :

Paper-I

- Singh, Savindra : Physical Geography, Prayag Pustak Bhawan, Allahabad.
- Husain, Majid : Fundamentals of Physical Geography, Rawat Publication, Jawahar Nagar, Jaipur.
- Lal, D.S. : Physical Geography, Sharda Pustak Bhawan, Allahabad.
- Strahler, A.N. : Modern Physical Geography, John Wiley and Sons, Inc. New York.
- Bergman : Introduction to Geography, Person Education.
- Bunnett, R.B. : Physical Geography in Diagrams, Orient Longman, New Delhi.
- सिंह, सविन्द्र : भौतिक भूगोल के स्वरूप, प्रयाग पुस्तक भवन, इलाहाबाद ।
- जोशी, यशवन्त गोविन्द : भूगोल के भौतिक आधार (स्थल मण्डल), मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल ।
- लाल, डी.एस. : भौतिक भूगोल, शारदा पुस्तक भवन, इलाहाबाद ।
- सिंह, के.एन. : भौतिक भूगोल, ज्ञानोदय प्रकाशन, गौरखपुर ।

Paper-II

- Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
- Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
- शर्मा, बी.एल. : राजस्थान का भूगोल, कॉलेज बुक डिपो, जयपुर ।
- शर्मा, एच. एस. एवं शर्मा, एम.एल. तथा मिश्रा, आर.एन. : राजस्थान का भूगोल, पंचशील प्रकाशन, जयपुर ।
- तिवारी, ए.के. एवं सक्सैना, एच.एम. : राजस्थान का भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर ।

B.A./B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part I

B.A./B.Sc. Geography, Semester-1st

Practical

Paper Code: GEO 103 (Practical – Paper I)

Scheme :

Max marks :

For Science – 75

45 ESE

30 CIA

For Arts – 60

36 ESE

24 CIA

Science – 21 Marks

1. Written Paper on Lab work (03 hours)

Arts - 18 Marks

Science – 10 (6 + 4)

2. Record work and Viva-Voce

Arts - 08 (5 + 3)

Science – 14 (9 + 5)

3. Field Survey & Viva-Voce (03 hours)

Arts - 10 (7 + 3)

Scales : Definition and Types . Conversion of R.F into Statement and Vis-a-versa.

Construction of Plain, Comparative, Diagonal scale and Time scale. Find out scale on the map
Enlargement and reduction of maps, Manual techniques, Electronic techniques.

Representation of Relief: Methods of showing relief : Spot heights, Trig point, Bench Marks,
Hachures, Hill Shading, Contours

Contours : Study of contours of important landforms: Hill, Plateau, Gorge, Waterfall, Hanging valley,
U shaped valley, V shaped valley, Types of slopes, conical hill, Ridge with pass-col and Saddle Lake,
Cliff and caldera, Sea Cliff and escarpment. Simple meander and ox-bow lake, Spur and Cirque.

Profiles : Definition and Types, methods of drawing of a profile- strip method and perpendicular
method. Significance of Vertical exaggeration while drawing profiles of mountainous and plain areas.
Drawing of Serial profile : Superimposed, Composite, Traverse and Longitudinal profile.

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
- इन्द्रपाल एवं माथुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- भारद्वाज, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर।
- जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।

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B.A./B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part I

B.A./B.Sc. Geography, Semester-2nd

<u>Science</u>	<u>Arts</u>
Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each =04M.	Part-A : 04 Ques.: Map (Comp.) 4x1¼ M.Each =05M.
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Maximum Marks each Semester per paper = 75M.	Maximum Marks each Semester per paper = 70M.
Minimum Marks = 30M.	Minimum Marks = 28M.

Physical Geography-II (Climatology and Oceanography)

Paper Code: GEO 201 (Theory - Paper III)

Section-A

Composition and Structure of Atmosphere, Insolation, Temperatures: world patterns- July and January, Horizontal and Vertical distribution of atmospheric temperature, Inversion of Temperature. Heat budget of the earth. And the atmosphere Atmospheric pressures and pressure belts of the world; Coriolis forces (concept and effects), Wind circulation; planetary and local winds; monsoons concepts and theories of the origin of monsoon , origin of Indian monsoon, jet streams; clouds, humidity, Types of Rainfall , Air masses.

Section-B

Adiabatic and non adiabatic(concepts), cyclones, anti-cyclones and associated weathers. types and distribution of precipitation; Koppen's and Thornthwaite's classification of world climate, concept of micro climatic changes,Global warming (related to glacial).

Section-C

Definition, nature and scope of Oceanography, Importance of study of Oceanography Hydrological cycle, marine resources, coral reefs. Ocean temperature.

Section-D

Bottom topography of the Atlantic, Indian and Pacific Oceans; Salinity of oceans; ocean deposits; ocean movements(waves, currents, tsunamies and tides). Oceans as the store house for future (economic importance) floor of the Indian ocean- a detail study.

Geography of Rajasthan-II (Economic Aspects)

Paper Code: GEO 202 (Theory - Paper IV)

Section-A

Introduction, Distribution and density of Livestock, Breeds of Cattle, Sheep, Goats, Camels, Poultry, Dairy Development projects in Rajasthan.

Section-B

Irrigation development:Water Resources: Sources of irrigation in Rajasthan, Irrigational Projects : Detailed study of Indira Gandhi Canal Project, Chambal Project, Mahi Bajaj Sagar Project and minor projects. Impacts of these projects on physical and socio-economic aspects.

Section-C

Land use, Dry farming, Major crops-Bajra, Wheat, Guar, Gram, Jowar, Maize, Barley, Rice. Cash crops: Sugar cane, Cotton, Oil seeds, Groundnut, Tobacco, Spices, Agricultural Regions of the State, Problems of Agriculture development. Metallic : Iron-ore, Zinc, Manganese, Lead, Silver, Copper, Tungston, Non Metallic: Gypsum, Mica, feldspar , Asbestos, Silica, Quartz, Manganese, China clay, Fire clay, Dolomite, Emeralds.

Section-D

INDUSTRIES : textile, Sugar, cement, marble and granite, fertilizer, zinc, and copper smelting Conventional sources of energy: Coal, Petrol, Natural gas, Hydro-electricity Non-Conventional sources of energy Problems and Measures. **Trade and Transport** Pattern of Rajasthan. Development of tourism.

Essential Readings :

Paper-III

- Crtchifield J.H. : General Climatology Prentic Hall India, New Delhi
- Lal, D.S. : Climatology & Oceanography, Sharda Pustak Bhawan, Allahabad
- Siddharth, K. : Atmosphere, Weather & Climate, Kitab Mahal, New Delhi
- Siddharth, K. : Oceanography : A Brief Introduction, Kitab Mahal, New Delhi
- सिंह, सविन्द्र : जलवायु विज्ञान, प्रयाग पुस्तक भवन, इलाहाबाद
- बंसल, एस.सी. : जलवायु एवं समुद्र विज्ञान, वसुन्धरा प्रकाशन, गोरखपुर
- लाल, डी. एस. : जलवायु एवं समुद्र विज्ञान, केदारनाथ-रामनाथ, मेरठ
- गौत्तम, अल्का : जलवायु एवं समुद्र विज्ञान, रस्तोगी प्रकाशन, मेरठ

Paper-IV

- Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
- Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
- शर्मा, बी.एल. : राजस्थान का भूगोल, कॉलेज बुक डिपो, जयपुर।
- शर्मा, एच, एस. एवं शर्मा, एम.एल. तथा मिश्रा, आर.एन. : राजस्थान का भूगोल, पंचशील प्रकाशन, जयपुर।
- तिवारी, ए.के. एवं सक्सैना, एच.एम. : राजस्थान का भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।

Practical

Paper Code: GEO 203 (Practical – Paper I)

Scheme :

Max Marks :	For Science – 75	{	45 ESE
			30 CIA
	For Arts – 60	{	36 ESE
			24 CIA
			Science – 21 Marks
1. Written Paper on Lab work (03 hours)			Arts - 18 Marks
			Science – 10 (6 + 4)
2. Record work and Viva			Arts - 08 (5 + 3)
			Science – 14 (9 + 5)
3. Field Survey & Viva (03 hours)			Arts - 10 (7 + 3)

Scheme Contents

Chain and Tape Survey : Introduction to the techniques of field survey in Geography. Importance of Chain and Tape Surveying, Characteristics. Stages of Surveying, Study of the instruments and their use in the survey.

Introduction to Surveying

1. Open Traverse
2. Closed Traverse

Merits and Demerits of Chain and Tape survey.

Weather Maps :

Study and interpretation of Indian weather maps of January and July, knowledge of weather instrument and Weather Symbols Representation of climatic data use. One dimensional diagrams (Concept and uses). Construction of a Climograph and Hythergraph. Drawing of Isobar, Isotherms and Isohytes map (always use recent data).

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
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- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- भारद्वाज, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर ।
- जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा ।

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RAMBAGH CIRCLE, JAIPUR-302015**

B.A./B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part II

B.A./B.Sc. Geography, Semester-3rd

<u>Science</u>	<u>Arts</u>
Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each =04M.	Part-A : 04 Ques.: Map (Comp.) 4x1¼ M.Each =05M.
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Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.
Total Marks of End Semester Exam = 54M.	Total Marks of End Semester Exam = 50M.
Internal Assessment (CIA) = 21M.	Internal Assessment (CIA) = 20M.
Maximum Marks each Semester per paper = 75M.	Maximum Marks each Semester per paper = 70M.
Minimum Marks = 30M.	Minimum Marks = 28M.

Geography of India -I

Paper Code: GEO 301 (Theory Paper-V)

Objective:

This paper helps the student to have a regional study of India learning its physiography, drainage, climate, agriculture scenario, industrial trends and transport.

SECTION-A

Physical Setting: Location of India in the world context; Physiography, Drainage, Climate : Seasons, Mechanism of Indian monsoons; Tropical cyclones and western disturbances ; Climatic regions; Natural vegetation.

SECTION-B

Resources Soil types and their distribution .Mineral and Energy resources: Distribution, utilization and conservation, livestock resources, water resource (sub surface and surface), watershed management. Agriculture Factors Affecting Agriculture; Infrastructure–irrigation, institutional factors–land holdings, and land reforms; land capability, agro-and social forestry, agro-climatic regions, green revolution.

SECTION-C

Industry Evolution of industries; Factors affecting location of industries, major industrial regions, cotton, jute, iron and steel, fertilizer, paper, chemicals, automobile and cottage industries; industrial development and new industrial govt. policies (current year).

SECTION-D

Transport, Communication and Trade Road, railway, waterways, airways and pipeline networks and their complementary roles in regional development; Importance of ports, Regional Planning, Regionalization in India, Economic Regions of India.

Human Geography-I

Paper Code: GEO 302 (Theory paper-VI)

SECTION-A

Definition, aim and scope of Human Geography, Relation of Human Geography with other sciences, Essential facts of Human geography by Brunches and Huntington.

SECTION-B

Schools of thought in Human Geography Determinism, Neo- determinism and Possibilism. Races of mankind, Distribution and characteristics.

SECTION-C

Human establishments and centers of human civilization. Building materials and house types in the world. Primary Human occupations, Elements of the environment and their impact on the Habitat, economy and Society of Eskimos, pygmies, Bushman

SECTION-D

Indian Tribes – Bhil, Meena, Gond Naga – Habitat Economy and Society. Cultural Regions of India.

Essential Readings :

Paper-I

- Tritha, R : Geography of India, Rawat Publication, New Delhi
- Gautam, Alka : Advanced Geography of India, Sharda Publication, Allahabad
- Singh, R.L. : India-A Regional Geography, UBS Publication & Distributors Ltd, New Delhi
- Singh Jagdish : India-A, Comprehensive Systematic Geography, Gayonodaya Prakasan, Gorkhpur,
- सिंह, गोपाल : भारत का भूगोल, आत्माराम एण्ड सन्स, नई दिल्ली
- तिवाड़ी, आर.सी. : भारत का भूगोल, वसुधरा प्रकाशन, गोरखपुर
- बंसल, सुरेश चन्द्र : भारत का वृहद् भूगोल, मिनाक्षी प्रकाशन, मेरठ
- हुसैन, माजिद : भारत का भूगोल, टाटा मैग्राहिल्स पब्लिशिंग कम्पनी लि. नई दिल्ली
- मामोरिया, चतुर्भुज : आधुनिक भारत का वृहद् भूगोल, प्रतियोगिता साहित्य सीरिज, आगरा

Paper-II

- Tripathi, R.K. : Human Geography, Commonwealth.
- Hussain, Majid : Human Geography, Rawat Publication, Jaipur.
- मामोरिया, चतुर्भुज : मानव भूगोल, साहित्य भवन पब्लिकेशन्स, आगरा।
- हुसैन, माजिद : मानव भूगोल, रावत पब्लिकेशन्स, जयपुर।
- मौर्य एस.डी. : मानव भूगोल, शारदा पुस्तक भवन, इलाहाबाद।
- बंसल, नुरेश चन्द्र : मानव भूगोल, मिनाक्षी पब्लिकेशन, मेरठ।

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RAMBAGH CIRCLE, JAIPUR-302015**

B.A./B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part II

B.A./B.Sc. Geography, Semester-3rd

PRACTICAL

Paper Code: GEO 303 (Practical Paper-III)

Max Marks :

For Science – 75 { **45 ESE**
30 CIA

For Arts – 60 { **36 ESE**
24 CIA

1. Written Paper on Lab work (03 hours)

Science – 21 Marks

Arts - 18 Marks

2. Record work and Viva - Voce

Science – 10 (6 + 4)

Arts - 08 (5 + 3)

3. Field Survey & Viva –Voce (03 hours)

Science – 14 (9 + 5)

Arts - 10 (7 + 3)

Representation of Statistical Data ---Two and Three dimensional diagrams, their construction, properties and uses in special reference to the following diagrams representing -Population, agriculture and transportation .

1. Pyramid diagram
2. Square diagram
3. Rectangular diagram
4. Sector/Spherical
5. Ring diagram
6. Pie diagram
7. Traffic Flow

Maps : Quantitative Map: Dot Map , Isopleth Map, Choropleth Map
Qualitative Map: Picture maps, Chorochromatic, Chorochromatic maps etc.

Statistical Methods :

Application of Mean, Median, Mode, Quartile deviation, mean deviation, Standard deviation, Correlation in Geography.

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
- इन्द्रपाल एवं माथुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- भारद्वाज, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर।
- जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।

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B.A./B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part II

B.A./B.Sc. Geography, Semester-4th

<u>Science</u>	<u>Arts</u>
Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each =04M.	Part-A : 04 Ques.: Map (Comp.) 4x1¼ M.Each =05M.
Part-B : 10 Ques.: Short. Ans. Comp. 10x1 M.Each =10M.	Part-B : 10 Ques.: Short. Ans. Comp. 10x½ M.Each =05M.
Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.
Total Marks of End Semester Exam = 54M.	Total Marks of End Semester Exam = 50M.
Internal Assessment (CIA) = 21M.	Internal Assessment (CIA) = 20M.
Maximum Marks each Semester per paper = 75M.	Maximum Marks each Semester per paper = 70M.
Minimum Marks = 30M.	Minimum Marks = 28M.

GEOGRAPHY OF INDIA -II

Paper Code: GEO 401 (Theory Paper-VII)

Objective:

This paper helps the student to study India in detail knowing its culture, settlements, political scenario and planning in detail.

SECTION-A

Cultural Setting Races, major tribes and their problems; Population: Qualitative and Quantitative aspects: Growth, distribution and density of population, Migration, Population problems and policies. Settlements- Classification and types of rural settlements and urban settlements, Urbanization and related problems.

SECTION-B

Regional Development and Planning: regional disparities Planning regions and regional planning. Developmental Planning: Multi-level planning, Planning for backward areas.

SECTION-C

Indian Economy – Factors affecting Indian Economy, Economic policies, International trade. Contemporary issues regional disparity, poverty, population explosion, globalization. Impact of Development on Environment-Social and ethnic tension, gender discrimination and empowerment of women.

SECTION-D

Contemporary Issues - Environmental hazards–landslides, earthquakes, floods and droughts, environmental pollution and environment strategies

Human Geography-II

Paper Code: GEO 402 (Theory Paper-VIII)

Objective:

This paper benefits the student in the field of demography, migration trends and urbanization.

SECTION-A

World Demographic Trends, Growth, Demographic Transition, Malthusian and Marxian models of Population., distribution and density Concepts of over population , under population and Optimum population

SECTION-B

Population Resource regions; Principal Human Agglomerations (Ecumene and non Ecumene). World population problems .and policies, International Migration: pull and push factors of migration history of .migration, Policies, Causes and consequences of migration.

SECTION-C

Factors affecting Settlements, Basis of Classification of Settlements. Types and patterns of rural settlements. Urbanization trends, problems of urbanization.

SECTION-D

Relation between man and resources, Resource utilization. Concept of Resources Conservation, Resource region of world.

Essential Readings :

Paper-III

- Tripathi, R : Geography of India, Rawat Publication, New Delhi
- Gautam, Alka : Advanced Geography of India, Sharda Publication, Allahabad
- Singh, R.L. : India-A Regional Geography, UBS Publication & Distributors Ltd, New Delhi
- Singh Jagdish : India-A, Comprehensive Systematic Geography, Gayonodaya Prakasan, Gorkhpur,
- सिंह, गोपाल : भारत का भूगोल, आत्माराम एण्ड सन्स, नई दिल्ली
- तिवाड़ी, आर.सी. : भारत का भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- बंसल, सुरेश चन्द्र : भारत का वृहद् भूगोल, मिनाक्षी प्रकाशन, मेरठ
- हुसैन, माजिद : भारत का भूगोल, टाटा मैग्राहिल्स पब्लिशिंग कम्पनी लि. नई दिल्ली
- मामोरिया, चतुर्भुज : आधुनिक भारत का वृहद् भूगोल, प्रतियोगिता साहित्य सीरिज, आगरा

Paper-IV

- Tripathi, R.K. : Human Geography, Commonwealth.
- Hussain, Majid : Human Geography, Rawat Publication, Jaipur.
- मामोरिया, चतुर्भुज : मानव भूगोल, साहित्य भवन पब्लिकेशन्स, आगरा ।
- हुसैन, माजिद : मानव भूगोल, रावत पब्लिकेशन्स, जयपुर ।
- मौर्य एस.डी. : मानव भूगोल, शारदा पुस्तक भवन, इलाहाबाद ।
- बंसल, नुरेश चन्द्र : मानव भूगोल, मिनाक्षी पब्लिकेशन, मेरठ ।

**S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302015**

B.A./B.Sc. Three -Year Semester Scheme outline 2014-15.

B.A./B.Sc. Part II

B.A./B.Sc. Geography, Semester-4th

PRACTICAL

Paper Code: GEO 403 (Practical Paper-IV)

Max Marks :

For Science – 75 { **45 ESE**
30 CIA

For Arts – 60 { **36 ESE**
24 CIA

1. Written Paper on Lab work (03 hours)

Science – 21 Marks

Arts – 18 Marks

**2. Record work / Research Project /
Topographical Survey and Viva -Voce**

Science – 10 (6 + 4)

Arts – 08 (5 + 3)

3. Field Survey & Viva –Voce (03 hours)

Science – 14 (9 + 5)

Arts – 10 (7 + 3)

Prismatic Compass Survey: Introduction to the techniques of field survey in Geography. Importance of Prismatic Compass Surveying, Characteristics, Merits and Demerits of this survey. Stages of Surveying, Study of the instruments used in the survey.

Types of Prismatic Surveying:

- Open Traverse
- Closed Traverse
- Bowdich Method

- Introduction of Cartography : History & Tools

Study of topographical sheets

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
- इन्द्रपाल एवं माथुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- भारद्वाज, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर।
- जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।

**S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302015**

B.A./B.Sc. Three -Year Semester Scheme outline 2015-16.

B.A./B.Sc. Part III

B.A./B.Sc. Geography, Semester-5th

<u>Science</u>		<u>Arts</u>	
Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each	=04M.	Part-A : 04 Ques.: Map (Comp.) 4x1¼ M.Each	=05M.
Part-B : 10 Ques.: Short. Ans. Comp. 10x1 M.Each	=10M.	Part-B : 10 Ques.: Short. Ans. Comp. 10x½ M.Each	=05M.
Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	=40M.	Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	=40M.
Total Marks of End Semester Exam = 54M.		Total Marks of End Semester Exam = 50M.	
Internal Assessment (CIA) = 21M.		Internal Assessment (CIA) = 20M.	
Maximum Marks each Semester per paper = 75M.		Maximum Marks each Semester per paper = 70M.	
Minimum Marks = 30M.		Minimum Marks = 28M.	

Evolution of Geographical Thought

Paper Code: GEO 501 (Theory Paper – IX)

Objective: This paper is an attempt towards making the student aware of the various fields of Geography like, Thought, Agriculture, Industrial, Urban and Transport.

SECTION-A

Meaning and definition, nature, aims and purpose, approaches and concepts of Geography. History of Geographic Thought - The nature of Geography is the early classical period with reference to the works of Herodotus, Eratosthenes, Strabo and Ptolemy.

SECTION-B

Early Medieval Geography. The Revival of Geography from the 16th to the early 19th century. Development of Geographical ideas during 20th Century. Founders of Modern Geography. The works of Varenus. Humboldt and Ritter.

SECTION-C

The nature of Geographical Thought in the second half of 19th century. The Dualism in Geography. Physical & Human Geography, Determinism and Possibilism, Regional & Systematic Geography, Qualitative and Quantitative Geography. Myth and reality about Dualism.

SECTION-D

The Works of Retzel, Semple, Richthofen, Hettner, Herbertson and saur, Contribution of W.M. Davis.

World Geography-I

Paper Code: GEO 502 (Theory Paper – X)

Objective: This paper helps the student know about the various economic aspects of the world. It helps them study about the various natural resources, crops and minerals etc.

SECTION-A

Introduction to the major regions and developed (U.S, Japan and U.K.) and developing(India, Brazil and China) countries of the world, Major vegetation, soil, agriculture.

SECTION-B

Sectors of Economy-Primary, Secondary, Tertiary, Quaternary activity, Natural Resources: Definition, Classification, Distribution, exploitation and conservation of Forests, Soil, , Fisheries, Water and wet land.

SECTION-C

Geography of Primary Production, Agriculture–Wheat, Rice, Sugarcane, Cotton, tea, Coffee, Jute, Rubber, World Agricultural types. Agriculture Regions of World.

SECTION-D

Minerals- Factors affecting the mining and exploitation of Minerals, Metallic and Non- Metallic, Exploitation and conservation of mineral resources. Energy Resources: Conventional energy resources; distribution and production of coal, petrol and natural gas.

Essential Readings :

PAPER-I

- Prof. Husain Majid : Evolution of Geographical Thought Rawat Publications, Jawahar Nagar, Jaipur
- Kathuria, C. D. : History of Geographical Thought : Centrum Press
- Prof. Husain Majid : Human Geography : Rawat Publications, Jawahar Nagar, Jaipur
- Peet, Richard : Modern Geographical Thought : Rawat Publications, Jawahar Nagar, Jaipur
- जैन, शेषमल : भौगोलिक चिन्तन एवं विधि तंत्र : साहित्य भवन, आगरा
- सिंह, जगदीश : भौगोलिक चिन्तन का क्रम विकास : ज्ञानोदय प्रकाशन, गोरखपुर
- कौशिक, एस.डी. : भौगोलिक चिन्तन एवं विधि तंत्र : साहित्य भवन, आगरा

PAPER-II

- Hussain, M. : World Geography, Rawat Publications, New Delhi.
- Siddharth, K. : World Geography, Kitab Mahal, New Delhi
- हुसैन माजिद : विश्व भूगोल, रावत पब्लिकेशन, जयपुर।
- तिक्खा, आर.एन. : विश्व का प्रादेशिक भूगोल, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालंधर।
- सवेसना एच.एम. : विश्व का प्रादेशिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
- गौतम अल्का : संसाधन भूगोल, शारदा पुस्तक भवन, इलाहाबाद।

**S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302015**

B.A./B.Sc. Three -Year Semester Scheme outline 2015-16.

B.A./B.Sc. Part III

B.A./B.Sc. Geography, Semester-5th

PRACTICAL

Paper Code: GEO 503 (Practical Paper-V)

Max Marks :

or Science – 75 { 45 ESE
30 CIA

or Arts – 60 { 36 ESE
24 CIA

1. Written Paper on Lab work (03 hours)

Science – 21 Marks

Arts - 18 Marks

2. Record work and Viva-Voce

Science – 10 (6 + 4)

Arts - 08 (5 + 3)

3. Field Survey & Viva –Voce (03 hours)

Science – 14 (9 + 5)

Arts - 10 (7 + 3)

Map Projection: Definition, Classification. Construction of projections by graphical method-

1. Polar Zenithal Projection
2. Gnomonic Projection
3. Equal area Zenithal Projection
4. Stereographic Projection
5. Orthographic projection
6. Simple Conical Projection with one Standard Parallel
7. Conical projection with two Standard Parallel
8. Polyconic Projection
9. Bonne's Projection
10. Mercators Projection
11. Gall's Projection
12. Simple Cylindrical Projection
13. Cylindrical Equal Area Projection

Topographical Sheets: Definition, Classification and Topographical Symbols; interpretation of Indian topographical Sheets.

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
- इन्द्रपाल एवं माथुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- भारद्वाज, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर ।
- जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा ।

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RAMBAGH CIRCLE, JAIPUR-302015**

B.A./B.Sc. Three -Year Semester Scheme outline 2015-16.

B.A./B.Sc. Part III

B.A./B.Sc. Geography, Semester-6th

<u>Science</u>		<u>Arts</u>	
Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each	=04M.	Part-A : 04 Ques.: Map (Comp.) 4x1¼ M.Each	=05M.
Part-B : 10 Ques.: Short. Ans. Comp. 10x1 M.Each	=10M.	Part-B : 10 Ques.: Short. Ans. Comp. 10x½ M.Each	=05M.
Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	=40M.	Part-C : 04 Ques.: (01 Q. from each unit with Internal choice)= 4x10M.Each=40M.	=40M.
Total Marks of End Semester Exam = 54M.		Total Marks of End Semester Exam = 50M.	
Internal Assessment (CIA) = 21M.		Internal Assessment (CIA) = 20M.	
Maximum Marks each Semester per paper = 75M.		Maximum Marks each Semester per paper = 70M.	
Minimum Marks = 30M.		Minimum Marks = 28M.	

Geographical Methodologies

Paper Code: GEO 601 (Theory Paper – XI)

Objective: This paper is an attempt towards making the student aware of the various fields of Geography like, Political, Social and Regional.

SECTION-A

Methodology : Problems of Geographical Research, Identification of Problems in Geography, Source and Nature of data, Collection and Tabulation, hypothesis and models.

SECTION-B

Sampling : Types of Sampling, Sample size, Need of Sampling, Sampling area and Problems, Preparation of Research Projects & Reports.

SECTION-C

Methods of Delimitation of agriculture, economics, industrial regions, measurement of agriculture productivity, Crop combinations and diversification.

SECTION-D

Models of Transportation, transport cost, Inter regional and intra regional, Connectivity and Accessibility. Delimiting sphere of city influence, Integrated area development planning.

World Geography-II

Paper Code: GEO 602 (Theory Paper-XII)

Objective: This paper will facilitate the students to know about the energy resources, the industries of the world and the role of major organization in the world.

SECTION-A

India and Non-Proliferation Treaty: Historical background and recent trends, Atomic Energy and Indo U.S Nuclear deal. Energy crisis and policies for development.

SECTION-B

World industries, Location patterns and problems of Textile, iron and steel, food processing, paper and pulp, industries

SECTION-C

Contemporary issues in World Geography : Globalization and economic development– concepts, measurement and problems; Agreements under new economic order (WTO). World Trade and Transport. Environment and Sustainable development : Disaster Management – Types (Natural and Man made).

SECTION-D

Role of international and Regional organizations in shaping the world economy. Study of WTO, EU, SAARC, ASEAN.

Environmental Problems of World – Biodiversity, Ozone layer, Climatic changes etc.

Essential Readings :

PAPER-III

- Barsil Gomes & John Paul Gomes : Research Method in Geography, Blackwell Pub.
- Hagget & Chorely : Models in Geography, TMH, New Delhi
- Hagget Peter : Geography, A Modern Synthesis, TMH, New Delhi
- King, C.A.M. : Techniques in Geomorphology, Prentice Hall
- Mahmood, A. : Quantitative Techniques in Geography Jawahar Pub. New Delhi
- Worting ten & Gant : Techniques of Map Analysis, Methuen, London
- हुसैन, एम. : भौगोलिक मॉडल, टाटा मैग्राहिल, न्यू देहली
- भारद्वाज, दिनेश चन्द्र : भौगोलिक प्रतिरूप निर्माण, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर
- गुप्ता, एस.पी,
गौतम, अल्का : सांख्यिकीय विधियां, शारदा पुस्तक भवन, इलाहाबाद

PAPER-IV

- Hussain, M. : World Geography, Rawat Publications, New Delhi.
- Siddharth, K. : World Geography, Kitab Mahal, New Delhi
- हुसैन माजिद : विश्व भूगोल, रावत पब्लिकेशन, जयपुर।
- तिक्खा, आर.एन. : विश्व का प्रादेशिक भूगोल, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालंधर।
- सवेसना एच.एम. : विश्व का प्रादेशिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
- गौतम अल्का : संसाधन भूगोल, शारदा पुस्तक भवन, इलाहाबाद।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302015

B.A./B.Sc. Three -Year Semester Scheme outline 2015-16.

B.A./B.Sc. Part III

B.A./B.Sc. Geography, Semester-6th

PRACTICAL

Paper Code: GEO 603 (Practical Paper-VI)

Max Marks :

or Science – 75 { **45 ESE**
30 CIA

or Arts – 60 { **36 ESE**
24 CIA

Science – 21 Marks

1. Written Paper on Lab work (03 hours)

Arts - 18 Marks

Science – 10 (6 + 4)

2. Record work and Viva-Voce

Arts - 08 (5 + 3)

Science – 14 (9 + 5)

3. Field Survey & Viva-Voce (03 hours)

Arts - 10 (7 + 3)

Plane Table Survey and Indian Pattern Clinometer. Exercise : Introduction to the techniques of field survey in Geography. Importance of Plane Table Surveying, Characteristics. Stages of Surveying Study of the instruments used in the survey.

Basic principles of Surveying:

1. Intersection Method
2. Radiation Method
3. Resection Method

Merits and Demerits of plane table survey.

Remote Sensing: Introduction to remote sensing. Aerial photography.

GIS and GPS – Preliminary Introduction.

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
- इन्द्रपाल एवं माथुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर
- भारद्वाज, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर ।
- जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा ।