

New Education Policy-2020 (NEP)
&
Learning Outcome-based
Curriculum Framework (LOCF)

For

Under Graduate Program Bachelor of Arts
Scheme UG A1: Undergraduate Program: Multidisciplinary
(Geography Subject)

(To be effective from the Academic Session 2024-25)



Gurugram University, Gurugram

(A State University established by Govt. of Haryana Act No. 17 of 2017)

Scheme of Programme

Scheme UG A1: Undergraduate Program: Multidisciplinary (Geography Subject)

Semester 1

Course Code	Course Title	Semester	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
				(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)															
CC-A1	Fundamental of Physical Geography (Theory)	Semester-1	240/GE OM/CC 101	3	-	-	3	-	-	4	25	50	-	-	75
	Maps and Scales (Practical)	Semester-1	240/GE OM/CC 101	-	-	2	-	-	1		-	-	5	20	25

Semester 2

Course Code	Course Title	Semester	Course ID	L	T	P	L	T	P	Credits	MARKS				
				(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)															
CC-A2	Geography of India (Theory)	Semester-2	240/GE OM/CC 201	3	-	-	3	-	-	4	25	50	-	-	75
	Graphs and Diagrams (Practical)	Semester-2	240/GE OM/CC 201	-	-	2	-	-	1		-	-	5	20	25

Semester 3

Course Code	Course Title	Semester	Course ID	L	T	P	L	T	P	Credits	MARKS				
				(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)															

CC-A3	Human Geography (Theory)	Semester-3	240/GE OM/CC 301	3	-	-	3	-	-	4	25	50	-	-	75
	Map Projections and its construction (Practical)	Semester-3	240/GE OM/CC 301	-	-	2	-	-	1		-	-	5	20	25

Semester 4

Course Code	Course Title	Semester	Course ID	L	T	P	L	T	P	Credits	MARKS				
				(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)															
CC-A4	Principals of Economic Geography (Theory)	Semester-4	240/GE OM/CC 401	3	-	-	3	-	-	4	25	50	-	-	75
	Representation of Relief and Landforms (Practical)	Semester-4	240/GE OM/CC 401	-	-	2	-	-	1		-	-	5	20	25

Semester 5

Course Code	Course Title	Semester	Course ID	L	T	P	L	T	P	Credits	MARKS				
				(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)															
CC-A5	Introduction of Geo-spatial Technology in Geography	Semester-5	240/GE OM/CC 501	3	-	-	3	-	-	4	25	50	-	-	75
	Aerial Photographs and its interpretation (Practical)	Semester-5	240/GE OM/CC 501	-	-	2	-	-	1		-	-	5	20	25

Internship is to be done during summer break after 4th Semester; Marks will be added in 5th Semester.

Semester 6

Course Code	Course Title	Semester	Course ID	L	T	P	L	T	P	Credits	MARKS				
				(Hrs)			Credits				TI	TE	PI	PE	Total
Core Course(s)															
CC-A6	Systematic and Regional Geography of Haryana	Semester-6	240/GE OM/CC 601	3	-	-	3	-	-	4	25	50	-	-	75
	Field Survey and Report writing (Practical)	Semester-6	240/GE OM/CC 601	-	-	2	-	-	1		-	-	5	20	25

The curriculum of semester 7 and 8 will is provided in due course of time.

Gurugram University Gurugram, Haryana (India)

Under Graduate (UG) /B.A. Geography Syllabus- Multidisciplinary

(As per NEP 2020 w.e.f session 2024-25)

Scheme UG A1: Undergraduate Program: Multidisciplinary (Geography Subject)- Semester-I

Fundamental of Physical Geography (Theory)

Paper Code:CC-A1 - Course Id: 240/GEOM/CC101

Credit: 03 (3+0+0) L+T+P Hrs/Week	Total Marks	75 Marks
Time: 3 Hours	End Semester Exam:	50 Marks
Note: (i) The UG Program (Scheme UG A1) are to be offered to students of Geography discipline/Subject of the course in the university.(ii) The Question one of paper is compulsory. It will encompass two parts: Part-A, of question one of paper will contain Map work of 05 marks (Five data points of one mark each). Candidates will be required to mark on all five data point neatly and cleanly on the provided Map. Part –B, of question one of paper will contain Multiple Choice Questions (MCQ)/Objective type/Terms of Five marks (one mark each). (iii) The question paper will have four units. Two questions will contain from each unit of the syllabus. Candidates are required to attempt one question from each unit. These questions will be of Ten marks each.	Internal Assessment:	25 Marks
	Attendance	05 Marks
	Assignment/Seminar/presentation/class presentation	05 Marks
	Session Examination	15 Marks

Learning/Course Objectives: To comprehend geography as a fundamental idea with notions to solve human issues and pinpoint the factors dependable for human development in diverse environments. The fundamental ideas to be proverbial in geography will be covered in general in the introduction to Geography course. To learn more about ideas connected to geography & comprehend geographical phenomena and processes. To be familiar with grading agents of the earth.

Learning/Course Outcomes: CO1: To be acquainted with Earth movement and motion to understand physical aspects around us. CO-2: To develop an improved philosophy and draw conclusion of major land forms with geographical perception.CO-3: To understand how Weather and Climate influence different aspect our living on this earth. CO-4: To familiarize with geographical point of view store house of energy and future source of food .CO-5: Student will be able to comprehend the Geographical Concepts which are relevant for sustained Growth and development.

UNIT-I

Solar system, Solar and lunar eclipse, Earth shape, movements, formation of day/nights and seasons, location-Globe, latitude, longitude, Heat zones of the earth and time zones.

UNIT-II

Interior of earth, Endogenetic& Exogenesis forces, Volcanism and Earthquakes, Plate Tectonics, Gradational process, Weathering and Erosion; Cycle of Erosion: Davis and Penk, Basic introduction to major landforms Landform of Water, Wind, Glacier, Karst & Ocean.

UNIT-III

Weather and climate: Components of weather and climate, factors affecting, Composition and structure of atmosphere; atmospheric pressure and global winds, Introduction to Monsoon, Greenhouse effects or Green house Gases, Clean Energy.

UNIT-IV

Relief of oceans, oceanic salinity, circulation of oceanic water, Oceanic currents, factors responsible for emergence of oceanic currents & its impact on surrounding environment, Ocean as store house of energy, Ocean as future source of food.

Recommended Readings:

- Dayal, P. (2019) BhuakritiVigyan, (in Hindi), Rajesh Publications, New Delhi.

- Getis Arthur and Bjelland Mark and Getis Victoria., 2014, Introduction to Geography, McGraw Hill Education.
- Hallam, A. 1973: A Revolution in Earth Science: From Continental Drift to Plate Tectonics, Oxford University Press, London.
- Homes A. 1965: Principles of Physical Geology, 3rd Edition, ELBSS Edn.
- Husain Majid (2002), Fundamentals of Physical Geography, Second Edition, Rawat Publications, Jaipur and New Delhi.
- Khullar, D.R. (2021): BhautikBhugol, (in Hindi), Kalyani Publishers, New Delhi.
- Leong, Goh Cheng.,2015, Certificate Physical and Human Geography, Oxford University Press, New Delhi.
- Singh, Savinder., 2006, Physical Geography, Pravalika Publications, Allahabad.
- Singh Savindra (2021), BhuakritiVigyan, (in Hindi),Pravalika Publications, Allahabad.
- Strahler Alan and Strahler Aurthur., 2005, Introducing Physical Geography, John Wiley & Sons, Inc.

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Scheme UG A1: Undergraduate Program: Multidisciplinary (Geography Subject)- Semester-I

Maps and Scales (Practical)

Paper Code: CC-A1 - Course Id: 240/GEOM/CC101

Credit: 03 (0+0+2) L+T+P Hrs/Week	Total Marks	25 Marks
Time: 4 Hours	Internal Assessment based on Attendance	05 Marks
Note: (i) The UG Program (Scheme UG A1) are to be offered to students of Geography discipline/Subject of the course in the university.(ii) The question paper Exercise Part (3 Question x 4 Marks= 12 Marks) will comprise three question from entire syllabus. Candidates (s) are required to attempt three question / exercise. These questions will be of 04 marks each. Candidates will be required to attempt exercise neatly and cleanly on the provided geography sheet.(iii) Record file will be of Maximum Four Marks.(iv) Viva Voce will be of Maximum Four Marks	End Semester Exam:	20 Marks
	Exercise	12 Marks
	Record File	04 Marks
	Via-voce	04 Marks

Learning/Course Objectives: To understand Map and Scale's elementary conception. To pertain the geography discernment to the universal map & Scale concern. To establish the determinants that contributes to the scientific replication of scale and maps. The fundamental ideas of different sizes and types of maps will be covered in general in the course on maps and scale.

Learning/Course Outcomes: CO-1: The essentials of maps, which are important for precise location and spatial comprehension, will be understood by the students.CO-2: To extend an improved understanding of scales and maps to understand how scales affect various aspects of maps. CO-3: To know how scales help to understand interrelationship between scales and map aspects CO-4: To familiarize with the survey concepts – in a geographical perspective to strengthen geography as a multidisciplinary and interdisciplinary discipline

1. What are Map, History of Maps, Types of Map, Elements of Map, and Significance of Map? Introduction to measuring units. (Metric and Mile system),

2.What is Scale, Types and significance of Scale?

- (i) Methods of Expressing a scale
(01 Exercises)
- (ii) Conversion of Statement of Scale into R.F. and vice-versa.
(01 Exercises) (iii) Plain Scale (Km and mile)
(01 Exercises) (iv). Comparative Scale
(02 Exercises)
- (v) Time Scale
(01 Exercises)
- (vi). Revolution Scale
(01 Exercises)
- (vii) Pace Scale
(01 Exercises)
- (viii) Diagonal Scale
(01 Exercises)

UNIT-III

3. Measurement of Distances and Areas on Maps, Enlargement and Reduction of Maps (03 Exercise)

UNIT-IV

4. Survey: Chain and Tape Survey –Open, Close Traverse method and Triangulation Method. (03 Exercises)

Recommended Readings:

- Mishra, R.N. and Sharma, P.K. (2019): PrayogikBhoogol, Rawat Publications, Jaipur.
- Mishra, R.N. and Sharma, P.K. (2020): PrayogikBhoogol, (in Hindi), Rawat Publications, Jaipur
- Monkhouse, F.J. and H.R. Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London.
- Robinson A. H. (2009): Elements of Cartography, John Wiley and Sons, New York.
- Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Vikas Publication House, New Delhi.
- Sharma J. P. (2010): PrayogicBhugol, Rastogi Publishers, Meerut.
- Singh R. L. and Singh R. P. B. (1999): Elements of Practical Geography. Kalyani Publishers, New Delhi.
- Singh, R. L. and Rana P. B. Singh. (1991): PrayogtmakBhugolkeMoolTatva. Kalyani Publishers, New Delhi.
- Singh, R.L. and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
- Singh, R.L. and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad
- Sharma, J. P. (2010): PrayogtmakBhugolkiRooprekha, Rastogi Publications, Meerut.
- Singh, R. L. and P. K. Dutta, (2012): PrayogatmakBhugol, Central Book Depot, Allahabad.
- Sarkar, A. (2015): Practical Geography: A Systematic Approach, Orient Black Swan Private Ltd., New Delhi.
- Sharma J. P. (2020): PrayogicBhugol, (in Hindi) Rastogi Publishers, Meerut.

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Scheme UG A1: Undergraduate Program: Multidisciplinary (Geography Subject)- Semester-II

Geography of India(Theory)

Paper Code: **CC-A2** - Course Id: 240/GEOM/CC201

Credit: 03 (3+0+0) L+T+P Hrs/Week	Total Marks	75 Marks
Time: 3 Hours	End Semester Exam:	50 Marks
Note: (i)The UG Program (Scheme UG A1) are to be offered to students of Geography discipline/Subject of the course in the university.(ii) The Question one of paper is compulsory. It will encompass two parts: Part-A, of question one of paper will contain Map work of 05 marks (Five data points of one mark each). Candidates will be required to mark on all five data point neatly and cleanly on the provided Map. Part –B, of question one of paper will contain Multiple Choice Questions (MCQ)/Objective type/Terms of Five marks (one mark each). (iii) The question paper will have four units. Two questions will contain from each unit of the syllabus. Candidates are required to attempt one question from each unit. These questions will be of Ten marks each.	Internal Assessment:	25 Marks
	Attendance	05 Marks
	Assignment/Seminar /presentation/class presentation	05 Marks
	Session Examination	15 Marks

Learning/Course Objectives: To comprehend India's geography as a fundamentally idea to comprehend the India apprehension towards the Indian Subcontinent and to pinpoint the practical solutions for resolving the most pressing environmental crises. The fundamentals of geography will be covered in great detail in the course on Indian geography.

Learning/Course Outcomes:CO1: Students will be able to comprehend the geographical features of India that are necessary for a fundamental knowledge of Indian geography.CO-2: Student will acquire knowledge pertaining to the population composition and its effect on various facet of life of India.CO-3:Learn about major natural resources and industries and its impact on growth and development of the country.CO-4: Recognize how India's trade and transport have greater impact on Indian economy .CO-5: Strengthen Geographical knowledge of India,

UNIT-I

India: Physical Setting ,extent and location, Division of India and their Characteristics; Drainage systems, Climate and its characteristics, Climatic Regions of India, Monsoon (Mechanism of Indian Monsoons and Characteristics), Jet Streams and Himalayan Cryosphere .Types of soils and natural vegetation and Natural Disasters in India (Earthquake, Drought, Flood, Cyclone, Tsunami, Himalayan Highland Hazards and Disasters.)

UNIT-II

India: Growth, Distribution and density of population;sex-ratio, literacy rate and work force; Migration and its type,Levels of urbanization, Population problems and policies. Human Development Index (HDI)

UNIT-III

India: Land resources, irrigation, cropping pattern, Characteristic of Indian agriculture and its development; Agricultural region of India; Factors affecting Indian Agriculture; Green Revolution and its Characteristics, Geographical conditions and distribution of major crops in India (Food grains, Cash Crops and Plantation Crops),Energy and Mineral resources: coal, petroleum, hydroelectricity and nuclear energy, iron ore, manganese and mica. Major

Industries: iron and steel, cotton textile, sugar and petrochemical industries; and industrial regions and policies of India.

UNIT-IV

Trade and Transport: Modes of transportation (railways, roadways, waterways, airways and pipelines), Domestic and international trade patterns. Contemporary reflections of Geography of India :Evolution of administrative map ; Disputes of river water sharing amongst states with reference to SYL; Inter-linking of rivers; Population explosion and food security. Globalization and its impact on the Indian Economy

Recommended Readings:

- Bindra, S.S. (1989): *India and Her Neighbors*, Deep and Deep Publications, New Delhi.
- Chandna, R.C.(1998): *Geography of Population*, Kalyani Publishers.4779, 23, Ansari Road, Daryaganj, New Delhi, Delhi, 110002
- Chatterjee, Rupali. (2015): “*Geography of India*”, Global Academic Publishers, New Delhi.
- Deshpande, C.D (1992): *India- A Regional Interpretation*, Northern Book Centre, New Delhi.
- Gautam A. (2009): *Advanced Geography of India*, Sharda Pustakbhawan, Allahabad.
- Gopal Krishan (2017). *The Vitality of India: A Regional Perspective*. Rawat Publication, Jaipur.
- Johnson, B.L.C. (1980), *India: Resources and Development*, Arnold-Hinemann, London.
- Khullar, D.R. (2000), *India: A Comprehensive Geography*, Kalyani Publishers, New Delhi.
- Majid, H. (2020). *Geography of India*. McGraw Hill Education (India) Private Ltd.
- Mamoria, C. B. and Mishra, J. P. (2021). *Bharat kaBhugol*. SahityaBhawan Publication, Agra.
- Shafi, M (2000): *Geography of South Asia*, McMillan and Company, Calcutta, .
- Sharma,T.C. and Coutinho, O (1988): *Economical and commercial Geography of India*,Vikas publishing house Pvt. Ltd. New Delhi.
- Singh, Gopal (2006): *A Geography of India*, Atma Ram and Sons, 2006.
- Singh, R.L. (1971), *India: A Regional Geography*, National Geographical Society of India, Varanasi.
- Singh, Surender and Saroha, Jitender (2014): *Geography of India*, Access Publishing India Pvt. Ltd., New Delhi, .
- Spare, O.H.K. and A.T.A. Learmonth (1967): *Geography of India and Pakistan*, Methuen London (first Indian Edition, 1984, MunshiramManoharlal, New Delhi).
- Spate, O.H.K. & Learmonth,(1967) *India and Pakistan: Land, People and Economy*, Methuen, London.
- Tirtha, R. & Gopal Krishan (1992), *Emerging India*, Conpub Ann Arbour Publishers, Michigan.
- Tirtha, Ranji(2006) : *Emerging India*, Conpub. Ann Arbour, U.S.A. Michigan,
- Tirtha, R. (2004) *Geography of India*. Rawat Publications, Jaipur

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Under Graduate (UG) /B.A. Geography Syllabus- Multidisciplinary

(As per NEP 2020 w.e.f session 2024-25)

Scheme UG A1: Undergraduate Program: Multidisciplinary (Geography Subject)- Semester-II

Graphs and Diagrams (Practical)

Paper Code: **CC-A2** - Course Id: 240/GEOM/CC201

Credit: 03 (0+0+2) L+T+P Hrs/Week	Total Marks	25 Marks
Time: 4 Hours	Internal Assessment based on Attendance	05 Marks
Note: (i) The UG Program (Scheme UG A1) are to be offered to students of Geography discipline/Subject of the course in the university.(ii) The question paper Exercise Part (3 Question x 4 Marks= 12 Marks) will comprise three question/exercise from entire syllabus. Candidates (s) are required to attempt three question / exercise. These questions will be of 04 marks each. Candidates will be required to attempt question/exercise neatly and cleanly on the provided geography sheet.(iii) Record file will be of Maximum Four Marks.(iv) Viva Voce will be of Maximum Four Marks.	End Semester Exam:	20 Marks
	Exercise	12 Marks
	Record File	04 Marks
	Via-voce	04 Marks

Learning/Course Objectives: To understand Map elementary conception. To pertain the geography discernment to the universal map concern. To establish the determinants that contributes to the scientific replication of maps. The fundamental ideas of different sizes and types of maps will be covered in general in the course on maps and scale. **Learning/Course Outcomes:** CO1: Students will have a basic acquaintance of map design and layout, which are imperative for successfully representing geographic information for enhanced conception.CO-2: Develop a superior considerate of type of map and their importance .CO-3: Recognize the ways in which variety of data may be presented in an effective manner through suitable map.CO-4: Recognize the ways in which an area may be surveyed and presented scientifically. (CO-5) Enhance geography as an interdisciplinary and diverse field of study.

1. Introduction of Graphs, uses, advantage and kind of graphs: Simple line graph, Polygraph Compound Line Graph, Ergograph, Clomograph, Hythergraph, Combined line graph and bar diagram.(05 Exercises)

2.Introduction of Statistical Diagram: One dimensional bar diagram(Simple bar, Comparative/Multiple bar, Compound/Subdivided bar and Percentage bar diagram),Two dimensional diagram :(Divided rectangles, Proportional square, Proportional circles/ Graduated circle & Pie diagram),Three dimensional statistical diagram: (Cubes, Proportional/Graduated spheres).(08 Exercises)

3. Significance of weather maps, equipment, its uses and interpretation.(01 Exercises)

4.Survey: Prismatic Compass Survey –Radiation and Intersection Method.(02 Exercises)

Recommended Readings:

- Mishra, R.N. and Sharma, P.K. (2019): *PrayogikBhoogol*, Rawat Publications, Jaipur.
- Mishra, R.N. and Sharma, P.K. (2020): *PrayogikBhoogol*, (in Hindi), Rawat Publications, Jaipur
- Mishra RP and Ramesh A. (1999). *Fundamentals of Cartography*, Concept Publishing Company, New Delhi.

- Monkhouse, F.J. and H.R. Wilkinson (1972) *Maps and Diagrams*, Methuen and Co. Ltd., London.
- Robinson A. H. (2009): *Elements of Cartography*, John Wiley and Sons, New York.
- Singh Gopal (2004) 4th edition, *Map Work and Practical Geography*, Vikas Publication House, New Delhi.
- Sharma J. P. (2010): *Prayogic Bhugol*, Rastogi Publishers, Meerut.
- Singh R. L. and Singh R. P. B. (1999): *Elements of Practical Geography*. Kalyani Publishers, New Delhi.
- Singh, R. L. and Rana P. B. Singh. (1991): *Prayogtmak Bhugol ke Mool Tatva*. Kalyani Publishers, New Delhi.
- Singh, R.L. and Raghuvander Singh (1973), *Map Work and Practical Geography*, Central Book Depot, Allahabad.
- Singh, R.L. and P.K. Dutt (1968), *Elements of Practical Geography*, Students Friends, Allahabad
- Sharma, J. P. (2010): *Prayogtmak Bhugol ki Rooprekha*, Rastogi Publications, Meerut.
- Singh, R. L. and P. K. Dutta, (2012): *Prayogtmak Bhugol*, Central Book Depot, Allahabad.
- Sarkar, A. (2015): *Practical Geography: A Systematic Approach*, Orient Black Swan Private Ltd., New Delhi.
- Sharma J. P. (2020): *Prayogic Bhugol*, (in Hindi) Rastogi Publishers, Meerut.