

Indira Gandhi University, Meerpur- Rewari

(A State University Established under Haryana Act No. 29 of 2013)



DEPARTMENT OF GEOGRAPHY

Syllabi and Scheme of Examination of Geography in B.A (Pass Course)
w.e.f. the academic session 2020-21

PREFEACE

The papers of Geography are introduced in the Bachelor of Arts (B.A.) which is a three-year full time degree course consisting of six semesters. Each semester shall consist of one theory and one practical paper of geography. Each course of these semesters will carry 100 marks of which 15 marks will be for internal assessment and 60 marks for theory paper. The marks of practical paper are 25.

The syllabus of the papers (courses) has been divided into four units. There shall be nine questions in all. The first question would be compulsory, shall be short answer type. It would carry six short questions from the entire syllabus. The candidate will be required to attempt all questions. Each short answer type question would carry two marks ($06 \times 2 = 12$ marks). There shall be two questions from each unit and the candidate shall be required to attempt one question from each unit. Each unit shall carry 12 marks ($12 \times 4 = 48$ Marks) The duration of the examination shall be three hours. The evaluation pattern for these examinations shall be as per the University regulations. The medium of instruction shall be both English and Hindi.

Note: The break-up of marks & pattern for Internal Assessment & attendance component shall be as per university rules.

Indira Gandhi University, Meerpur- Rewari

B.A. Geography (Pass Course) with effect from the Academic Session 2020-21

B.A. FIRST YEAR - Semester-I w.e.f. 2020-21

Sr. No	Course Code	Nomenclature of the course	Theory	Internal Assessment	Practical/ Lab	Total
I	UG-GEO 101	Geography of India	60	15	-	75
II	UG-GEO 102	Maps and scales (Practical)	-	-	25	25

Semester-II

III	UG-GEO 103	Physical Geography-I	60	15	-	75
IV	UG-GEO 104	Representation of Physical Features (Practical)	-	-	25	25

B.A. SECOND YEAR- Semester-III w.e.f. 2021-22

V	UG-GEO 201	Physical Geography-II	60	15	-	75
VI	UG-GEO 202	Representation of Climatic Data and Survey (Practical)	-	-	25	25

Semester-IV

VII	UG-GEO 203	Human Geography	60	15	-	75
VIII	UG-GEO 204	Maps projections and Survey (Practical)	-	-	25	25

B.A. THIRD YEAR- Semester-V w.e.f. 2022-23

IX	UG-GEO 301	Economic Geography	60	15	-	75
X	UG-GEO 302	Distribution Maps, Diagrams and Survey (Practical)	-	-	25	25

Semester-VI

XI	UG-GEO 303	Introduction to Remote Sensing, GIS and Quantitative Methods	60	15	-	75
XII	UG-GEO 304	Introduction to Remote Sensing and Field Survey Report (Practical)	-	-	25	25

**B.A. GEOGRAPHY (PASS COURSE) - FIRST YEAR
(FIRST SEMESTER)**

Learning Outcomes and Objectives

1. To familiarize the students with the physiography of India and Haryana.
2. To provide the students an acquaintance with the demographic component of India and Haryana.
3. The aim of this course is to introduce the students to the economy and various types of resources in India and Haryana.

**B.A (GEOGRAPHY) – FIRST SEMESTER
GEOGRAPHY OF INDIA
UG – GEO 101**

**Maximum Marks: 75
External Assessment Marks: 60
Internal Assessment Marks: 15
Time: 3 Hours**

Note: There shall be nine questions in all. The candidates have to attempt five questions including Question- 1 which is compulsory comprising six short questions to be answered in 15-20 words each. In addition, the candidates have to attempt four more questions selecting at least one from each unit. All questions carry equal marks.

UNIT- I

1. India: locational setting; relief and drainage systems.
2. Climate of India, climatic regions, drainage system of India, soils, natural vegetation, natural hazards- drought and flood.

UNIT – II

3. Population: distribution, density and growth.
4. Literacy, age & sex composition and levels of urbanization, migration pattern in India

UNIT- III

5. Distribution and production of major crops; Rice, Wheat, Cotton and Tea; Irrigation, Green Revolution and problems of Indian Agriculture.
6. Industries- iron and steel, cotton textile, sugar and petrochemical industries and industrial regions of India.

UNIT-IV (HARYANA)

7. Introduction to physiography and soil degradation.
8. Demographic aspects – growth of population, literacy, sex ratio and urbanization.
9. Agriculture, Industry and Transport.

Suggested Readings

1. Deshpande D: India – A Regional Interpretation, Northern Book Depot, New Delhi, 1992.
2. Singh, Gopal: Geography of India, Atma Ram and Sons, 2006.
3. Shafi, M: Geography of South Asia, McMillan and Company, Calcutta,2000.
4. Singh, R L (ed): India: A Regional Geography, National Geographical Society, India, Varanasi,1971.
5. Singh, Surender and Saroha, Jitender: Geography of India, Access Publishing India Pvt. Ltd., New Delhi,2014.
6. Spate, D H K and ATA Learmonth: Indian and Pakistan – Land, People and Economy, Methnen and Company, London,1967.
7. Tiwari, R.C. (2007) Geography of India, Prayag Pustak Bhawan, Allahabad.
8. Sharma, T.C. (2013) Economic Geography of India, Rawat Publication, Jaipur.

**B.A (GEOGRAPHY) – FIRST SEMESTER
MAPS AND SCALES (PRACTICAL)
UG- GEO 102**

Distribution of Marks

Exercises=15

Record File=05

Viva-voce=05

Maximum Marks: 25

Time: 3 Hour

Note: There will be four questions in all and candidate has to attempt three exercises.

1.	Introduction to Cartography	
2.	Maps and their types	
3.	Map Scales	Exercises
a.	Methods of Expressing a scale	2
b.	Conversion of Statement of Scale into R.F. and vice –versa.	1
c.	Plain Scale (Km and mile)	2
d.	Comparative Scale	4
e.	Diagonal Scale	1
4.	Measurement of Distances and Areas on Maps	2
5.	Enlargement and Reduction of Maps	2

Suggested Readings

1. F.J. Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Methuen and Co. Ltd., London
2. L.R. Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. R.I. Singh and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad.
4. Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Viksa Publication House.

B.A. GEOGRAPHY (PASS COURSE) - SECOND SEMESTER

Learning Outcomes and Objectives:

1. To enable students understand the processes of endogenetic and exogenetic movements of the earth.
2. To introduce the students to the concept of cycle of erosion and various agents of gradation shaping the earth.

B.A. GEOGRAPHY - SECOND SEMESTER PHYSICAL GEOGRAPHY-I UG - GEO 103

Maximum Marks: 75
External Assessment Marks: 60
Internal Assessment Marks: 15
Time: 3 Hours

Note: There shall be nine questions in all. The candidates have to attempt five questions including Question 1 which is compulsory comprising six short questions to be answered in 15-20 words each. In addition, the candidates have to attempt four more questions selecting at least one from each unit. All questions carry equal marks.

UNIT- I

1. Definition, nature and scope of Physical Geography.
2. Interior structure of the earth, geological time scale and rocks.

UNIT- II

3. Earth movements; orogenic and epeirogenic, earthquake and volcanoes.
4. Theory of Isostasy, Wegner's theory of continental drift and Plate tectonic theory.

UNIT- III

5. Weathering: causes and its types.
6. Mass-movements: causes, types and impacts.

UNIT- IV

7. Concept of cycle of erosion; cycle of erosion by W.M. Davis
8. Processes and land forms of Wind, River, Underground water, Glacier and Sea waves.

Suggested Readings

1. Sharma H.S. Perspective in Geomorphology, Concept, New Delhi 1980.
2. Singh Savinder, Geomorphology, Prayag Publication, Allahabad 1998.
3. Singh Savinder, Physical Geography Prayag Publication, Allahabad, 1998.
4. Sparks B.W. Geomorphology, Jojngman, London, 1960.
5. Thornbury W.D. 1969 Principles of Geomorphology, New York, John Wiley & Sons.
6. Gautam, A (2010): Bhautik Bhugol, Rastogi Publications, Meerut.
7. Tikkaa, R.N. (1989): Bhautik Bhugol ka Swaroop, Kedarnath Ram Nath, Meerut.
8. Singh, S (2009) Bhautik Bhugol ka Swaroop, Prayag Pustak, Allahabad.

B.A. GEOGRAPHY - SECOND SEMESTER
REPRESENTATION OF PHYSICAL FEATURES (PRACTICAL)
UG - GEO 104

Distribution of Marks
Exercises=15
Record File=05
Viva-voce=05

Maximum Marks: 25
Time: 3 Hour

Note: There will be four questions in all and candidate has to attempt three exercises.

	Exercises
1. Introduction to Topographical Sheets	5
India and adjacent countries	
a. Degree Sheet	
b. Half Degree Sheet	
c. Quarter Degree Sheet	
d. Series of Scale	
e. Conventional Signs	
2. Methods of representing relief	1
3. Representation of Topographical features by contours.	4
Slopes (Concave, convex, undulating and terraced) Valleys (V Shaped, U shaped, Gorge, Re-entrant) Ridges (Conical hill, Volcanic hill, Plateau, Escarpment) Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast)	
4. Drawing of Profiles	5
a. Cross Profiles: Serial, superimposed, projected and composite profiles.	
b. Longitudinal Profiles	

Suggested Readings

1. F.J. Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London.
2. L.R. Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. R.I. Singh and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad
4. Singh Gopal (2004) 4th edition, Map Work and Practical Geography, Vikas Publication House, New Delhi.

**B.A. GEOGRAPHY (PASS COURSE) SECOND YEAR
(THIRD SEMESTER)**

Learning Outcomes and Objectives:

1. To enable students to understand the atmospheric and hydrospheric components of the earth system;
2. To familiarize the students with the processes and dynamics of Oceanic circulation.

**B.A. GEOGRAPHY (THIRD SEMESTER)
PHYSICAL GEOGRAPHY-II
UG – GEO 201**

**Maximum Marks: 75
External Assessment Marks: 60
Internal Assessment Marks: 15
Time: 3 Hours**

Note: There shall be nine questions in all. The candidates have to attempt five questions including Question 1 which is compulsory comprising six short questions to be answered in 15-20 words each. In addition, the candidates have to attempt four more questions selecting at least one from each unit. All questions carry equal marks.

UNIT-I

1. Weather and climate; origin, composition and structure of atmosphere.
2. Insolation, global heat budget, horizontal and vertical distribution of temperature, inversion of temperature.

UNIT-II

3. Atmospheric pressure: measurement and distribution, pressure belts, planetary, seasonal and local winds.
4. Humidity: measurement and variables; evaporation and condensation, precipitation: forms, types and distribution; hydrological cycle.

UNIT-III

5. Air masses: concept and classification; fronts: type and characteristics.
6. Weather disturbances: tropical and extra-tropical cyclones.

UNIT-IV

7. Configuration of oceanic floor and bottom relief of Pacific and Atlantic oceans; temperature of oceans.
8. Oceanic currents; circulation in Pacific, Atlantic and Indian Oceans; Oceanic resources.

Suggested Readings

1. Barry, RG and Chorley R.J., Atmosphere, Weather and Climate, Routledge, 1998.
2. Critchfield, H., General Climatology, Prentice-Hall of India, 2002.
3. King, C. Oceanography for Geographers, Edward Arnold, London, 1975.
4. Trewartha, GT: An Introduction to Climate, Mc-Graw Hill, New York, 1981.
5. Trewartha, G.T., The Earth's Problems Climates, University of Wisconsin Press, USA.
6. Gupta L S (2000): Jalvayu Vigyan, Hindi Madhyam Karyanvay Nidishalya, Delhi Vishwa Vidhyalaya, Delhi.
7. Lal, D S (2006): Jalvayu Vigyan, Prayag Pustak Bhawan, Allahabad.
8. Vatal, M (1986): Bhautik Bhugol, Central Book Depot, Allahabad.
9. Singh, S (2009): Jalvayu Vigyan, Prayag Pustak Bhawan, Allahabad.

B.A. GEOGRAPHY (THIRD SEMESTER)
REPRESENTATION OF CLIMATIC DATA AND SURVEY (PRACTICAL)
UG - GEO 202

Distribution of Marks:

Exercises=15

Record File=05

Viva-voce=05

Maximum Marks: 25

Time: 3 Hour

Note: There will be four questions in all and candidate has to attempt three exercises.

1. Measurement of temperature, rainfall, pressure and humidity.
2. Representation of temperature and rainfall.
 - a. Combined Line and Bar Graph Exercise 1
 - b. Distribution of temperature (Isotherms) Exercise 1
 - c. Distribution of rainfall (Isohytes) Exercise 1
 - d. Hythergraph Exercise 1
 - e. Rainfall deviation diagram Exercise 1
3. Climograph (wet and dry places) - Exercise 2
4. Distribution of pressure (Isobars) - Exercise 2
5. Weather map interpretation (January & July) - Exercise 2
6. Chain and tape survey Exercise 2

Suggested Readings

1. Mishra R.P. and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Monkhouse, FJ, and Wilkinson H.R., 1972. Maps and Diagrams, Methuen Press, London
3. Robinson, A.H. et.al. Elements of Cartography, John Wiley & Sons, 1995.
4. Singh, R.L., 1979. Elements of Practical Geography, Kalyani Publisher, New Delhi.

B.A. GEOGRAPHY (PASS COURSE) FOURTH SEMESTER

Learning Outcomes and Objectives:

1. To make the students familiar with the man- environment relation and human adaptation to the environment.
2. The students will have the ability to understand the growth, distribution and composition of population in different parts of the world;
3. Analyze the types and patterns of rural settlements in India and other regions of the world.

B.A. GEOGRAPHY (FOURTH SEMESTER)

HUMAN GEOGRAPHY

UG – GEO 203

Maximum Marks: 75

External Assessment Marks: 60

Internal Assessment Marks: 15

Time: 3 Hours

Note: There shall be nine questions in all. The candidates have to attempt five questions including Question- 1 which is compulsory comprising six short questions to be answered in 15-20 words each. In addition, the candidates have to attempt four more questions selecting at least one from each unit. All questions carry equal marks.

UNIT - I

1. Nature and scope of human geography; branches of human geography; approaches to the study of human geography.
2. Division of mankind: spatial distribution of tribes of India: Santhals, Gonds and Bhils.

UNIT - II

3. Concept of man- environment relation: A historical approach.
4. Human adaptation to the environment (i) cold region Eskimos (ii) Hot Region – Bushman.

UNIT - III

5. Distribution, density and growth of world population.
6. Population theories: Malthus and optimum population theory.

UNIT-IV

7. Rural settlements: meaning, classification and types.
8. Population pressure, resource use and environment degradation; concept of deforestation, air and water pollution.

Suggested Readings

1. Aggarwal, A: The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi, 1999.
2. Alexander, John. W.: Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.
3. Bergwan, Edward E: Human Geography: Culture Connections and Landscape, Prentice- Hall, New Jersey, 1985.
4. Carr, M. Patterns: Process and Change in Human Geography, McMillan Education, London, 1987.
5. Chandna, R.C.: A Geography of Population: Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.
6. DeBlij, H. J.: Human Geography, Culture, Society and Space, John Wiley, New York, 1996.
7. Fellman, J.L.: Human Geography-Landscapes of Human Activities, Brown and Benchman Pub., USA, 1997.
8. Global Environment Outlook: Earthscan, London, 2000.
9. McBride, P.J. Human Geography; Systems Patterns and Change, Nelson, UK and Canada, 1996.
10. Michael, Can: New Patterns: Process and Change in Human Geography, Nelson, 1996.
11. Kaushik, S.D. (2010) Manav Bhugol, Rastogi Publication, Meerut.
12. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan, Allahabad.
13. Hussin, Majid (2012) Manac Bhugol, Rawat Publications, Jaipur.

B.A. GEOGRAPHY (FOURTH SEMESTER)
MAP PROJECTIONS AND SURVEY (PRACTICAL)
UG - GEO 204

Distribution of Marks:
Exercises=15
Record File=05
Viva-voce=05

Maximum Marks: 25
Maximum Time: 3 Hours

Note: There will be four questions in all and candidate has to attempt three exercises.

Total Exercises = 15

1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of lines of latitudes and longitudes.
2. Cylindrical projections: Characteristics, applications and drawing; (3)
 - a. Simple cylindrical projection
 - b. Cylindrical equal area projection
 - c. True shape or orthomorphic or Mercator's Projection (5)
3. Conical Projections: Characteristics, applications and drawing
 - a. Simple conical projections with one standard parallel
 - b. Simple conical projection with two standard parallel
 - c. Bonne's Projection
 - d. Polyconic projection
 - e. International Map Projection

4. Zenithal Projections: Characteristics, applications and drawing. (5)
 - a. Polar Zenithal Equidistant Projection.
 - b. Polar Zenithal Equal Area Projection
 - c. Polar Zenithal Gnomonic Projection
 - d. Polar Zenithal Stereographic Projection.
 - e. Polar Zenithal Orthographic Projection

5. Characteristics, drawing and applications of
 - a. Sinusoidal and (2)
 - b. Mollweide Projections

6. Plane Table Survey (2)

Suggested Readings

1. Goyal K.K.1981. Practical Geography, Manthan Publication, Rohtak.
2. GregoryS. 1963.Statistical Methodsand the Geography,Longman,London.
3. Khan, A.A. 1996. Text Book of Practical Geography, Concept, NewDelhi,.
4. Lawarence, GRP1968. Cartographic Methods, Methuen, London,
5. Monkhouse, F.J. and Wilkinson, H.R1994. Maps and Diagrams, Methuen, London,
6. Pal. S.K. 1998: Statistics for Geoscientist- Techniques and Applications, Concept Publication, New Delhi,.
7. Sarkar, A.K 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta,
8. Singh,R.L.1972. Elements of Practical Geography,Kalyani Pub.,New Delhi
9. Steers, J.B. Map Projections; University of London Press, London.

**B.A. GEOGRAPHY (PASS COURSE) THIRD YEAR
(FIFTH SEMESTER)**

Learning Outcomes and Objectives:

1. To introduce students to classification of economic activities and their impact on environment.
2. To impart knowledge about natural resources and importance of their utilization.
3. To acquaint students with understanding of the spatial distribution of crops, mineral resources and industries in the world.

**B.A. GEOGRAPHY - FIFTH SEMESTER
ECONOMIC GEOGRAPHY
UG – GEO 301**

**Maximum Marks: 75
External Assessment Marks: 60
Internal Assessment Marks: 15
Time: 3 Hours**

Note: There shall be nine questions in all. The candidates have to attempt five questions including Question -1 which is compulsory comprising six short questions to be answered in 15-20 words each. In addition, the candidates have to attempt four more questions selecting at least one from each unit. All questions carry equal marks.

UNIT- I

1. Definition, nature, scope of economic geography; it's relation with economics and other branches of social sciences.
2. Classification of economic activities and their impact on environment.

UNIT- II

3. World natural resources: types, bases and classification.
4. Conservation and utilization of natural resources.

UNIT- III

5. Spatial distribution of food (rice and wheat), commercial (cotton and sugarcane) and plantation crops (tea, rubber and coffee).
6. Classification of mineral resources (ferrous and non-ferrous); distribution and production of coal, iron ore, petroleum and natural gas.

UNIT- IV

7. Classification of industries; world distribution and production of iron and steel and textile industry, major industrial complexes of the world.
8. Transport, communication and trade: geographical factors in their development; major modes of water, land and air transport; recent trends in international trade

Suggested Readings

1. Hartshorne T Nand Alexander JW. 1988. Economic Geography, Prentice Hall, New Delhi.
2. Jones CF and Darkenwald GG. 1975. Economic Geography. McMillan Company, New York
3. Thomas, RS. 1962. The Geography of Economic Activities. McGraw Hill, NewYork.
4. Wheeler J et al. 1995. Economic Geography. John Wiley,New York.

B.A. GEOGRAPHY - FIFTH SEMESTER
DISTRIBUTION OF MAPS, DIAGRAMS AND SURVEY (PRACTICAL)
UG – GEO 302

Distribution of Marks:
Exercises=15
Record File=05
Viva-voce=05

Maximum Marks: 25
Time: 3 Hour

Note: There will be four questions in all and candidate has to attempt three exercises.

1. Principal of map design and layout
2. Symbolization: point, line and area symbol
3. Lettering and toponomy
4. Mechanics of map construction
5. Distribution maps
 - (i) Qualitative distribution maps
 - Choroschematic maps- 1 Exercise
 - Chorochromatic maps- 2 Exercise
 - (ii) Quantitative distribution Maps
 - Isopleth maps-3 exercise
 - Choropleth maps- 3 exercise
 - Dot Maps- 3 exercise
 - Diagrammatic Maps- 3 exercise
6. Prismatic Compass Survey – 2 Exercises.

Suggested readings

1. Mishra RP and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Monkhouse FJ and Wilkinson HR. 1972. Maps and Diagrams, Methuen Press, London
3. Singh Gopal. 2004. Map Work and Practical Geography, Vikas Publication House, New Delhi.
4. Singh RL. 1979. Elements of Practical Geography, Kalyani Publishers, New Delhi

B.A. GEOGRAPHY (PASS COURSE) SIXTH SEMESTER

Learning Outcomes and Objectives:

1. To provide knowledge of aerial photographs and their interpretation.
2. To familiarize students with the basics of Remote Sensing & GIS and their application.
3. To make the students familiar with basic statistical methods in geography.

B.A. GEOGRAPHY - SIXTH SEMESTER INTRODUCTION TO REMOTE SENSING, GIS & QUANTITATIVE METHODS UG – GEO 303

Maximum Marks: 75
External Assessment Marks: 60
Internal Assessment Marks: 15
Time: 3 Hours

Note: There shall be nine questions in all. The candidates have to attempt five questions including Question 1 which is compulsory comprising six short questions to be answered in 15-20 words each. In addition, the candidates have to attempt four more questions selecting at least one from each unit. All questions carry equal marks.

Unit-I

1. Introduction to aerial photographs: their types and advantages.
2. Elements of aerial photo interpretation.

Unit-II

3. Introduction to Remote Sensing; electromagnetic spectrum, stages in remote sensing, type of remote sensing, satellite orbits- geostationary and near polar.
4. Application of remote sensing in various fields such as agriculture, environment and resource mapping.

Unit-III

5. Introduction to Geographical Information System: definition, purpose, components and functions.
6. Application of GIS in various fields of geography.

Unit-IV

7. Measures of Central Tendency: Mean, Median and Mode.
8. Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation.

Suggested Readings

1. Aslam Mahmood 1993. Statistical Methods in Geographical Studies, Rajesh Publications, New Delhi,
2. John R. Jensen 2009. Remote Sensing of the Environment; An Earth Resource Perspective, Pearson Education, (India Edition) New Delhi,
3. Kumar Meenakshi 2001. Remote Sensing, NCERT, New Delhi,
4. Lillesand and R.W. Kiefer, 2005. Remote Sensing and Image Interpretation, John Wiley and Sons.
5. Pritvish Nag, and M. Kudrat 1998. Digital Remote Sensing, Concept Publishing Company, New Delhi,

B.A. GEOGRAPHY - SIXTH SEMESTER
INTRODUCTION TO REMOTE SENSING, GPS AND FIELD SURVEY REPORT
(PRACTICAL)
UG – GEO 304

Maximum Marks: 25

Time: 3 Hours

A. Remote Sensing Practical – 15 Marks

Marks Breakup:

Exercise = 09

Record book: 03

Viva-voce: 03

1. Demarcation of Principal Point, Conjugate Principal point and Flight line on Aerial Photographs - 3 exercise
2. Use of Stereoscope and Identification of Features- 2 exercise.
3. Identification of Features from satellite images- 2 exercises.
4. Mapping by GIS -2 exercises.

B. Socio-economic Survey and Report Writing -10 marks.

Marks Break up

Field Survey Report = 06 marks

Viva voce= 04 marks

Suggested Readings

1. John R. Jensen, Remote Sensing of the Environment; An Earth Resource Perspective, Pearson Education, (India Edition) New Delhi,2009.
2. Lillesand and R.W.Kiefer, Remote Sensing and Image Interpretation, John Wiley and Sons,1994.
3. Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi.
4. Chauniyal, D.D. (2010) Sudur Samvedan evam Bhogolik Suchana Pranali,Sharda Pustak Bhawan, Allahabad.



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **61062**

Max Marks : **15**

Minimum Pass Marks

Semester : Sixth Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
191041101101	2996210072	TANU	CF	
191041101102	2996220065	ARTI KUMARI	9	Nine
191041101131	2996210092	SACHIN KUMAR	9	Nine
201041101124	120116002104	SOMVEER	CF	
201041101137	120116002150	MAHAVEER YADAV	CF	
201041101146	120116002158	MANOJ KUMAR	CF	
201041101150	120116002162	ANKIT KUMAR	CF	
201041101169	120116002181	RITU	CF	
211041101003	1211161002004	VARSHA	13	Thirteen
211041101004	1211161002005	REKHA	12	Twelve
211041101008	1211161002009	NEETU KUMARI	10	Ten
211041101011	1211161002012	TAMANNA	14	Fourteen
211041101017	1211161002018	NEHA	12	Twelve
211041101018	1211161002019	GAURAV YADAV	12	Twelve
211041101020	1211161002021	URMILA	13	Thirteen
211041101022	1211161002023	NIKITA	11	Eleven
211041101026	1211161002028	PREETAM	8	Eight
211041101030	1211161002032	SAHIL	7	Seven
211041101032	1211161002034	GOLU	12	Twelve
211041101034	1211161002036	NIDHI	14	Fourteen
211041101035	1211161002037	GAURAV	9	Nine
211041101036	1211161002038	ROHAN KUMAR	9	Nine
211041101037	1211161002039	NEERAJ	9	Nine

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **61062**

Max Marks : **15**

Minimum Pass Marks

Semester : Sixth Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101044	1211161002046	TANU	14	Fourteen
211041101047	1211161002049	MUSKAN	11	Eleven
211041101053	1211161002055	SONAM	14	Fourteen
211041101054	1211161002056	HEMLATA	12	Twelve
211041101059	1211161002061	SUNITA	12	Twelve
211041101060	1211161002062	TANISHA	13	Thirteen
211041101062	1211161002064	BHARTI	11	Eleven
211041101063	1211161002065	KOMAL KUMARI	11	Eleven
211041101071	1211161002073	RINKU YADAV	14	Fourteen
211041101092	1211161002094	VINEET	7	Seven
211041101095	1211161002097	NIKITA	10	Ten
211041101101	1211161002103	SHEETAL	9	Nine
211041101104	1211161002106	VINIT YADAV	9	Nine
211041101105	1211161002107	NIKITA	14	Fourteen
211041101113	1211161002115	RITIKA YADAV	12	Twelve
211041101117	1211161002118	MANJEET SINGH	7	Seven
211041101118	1211161002119	AMIT YADAV	7	Seven
211041101123	1211161002124	KOMAL	10	Ten
211041101125	1211161002126	POOJA	10	Ten
211041101126	1211161002127	SACHIN	7	Seven
211041101127	1211161002128	POOJA	10	Ten
211041101130	1211161002131	JYOTI	11	Eleven
211041101131	1211161002132	OMBIR	10	Ten

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **61062**

Max Marks : **15**

Minimum Pass Marks

Semester : Sixth Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101132	1211161002133	NEHA KUMARI	9	Nine
211041101141	1211161002141	NEHA	11	Eleven
211041101144	1211161002143	JYOTI	11	Eleven
211041101145	1211161002144	SANJU	12	Twelve
211041101148	1211161002147	NIKHIL YADAV	7	Seven
211041101150	1211161002149	SUBHAM KHARERA	7	Seven
211041101158	1211161002160	DEEPAK SINGH	7	Seven
211041101160	1211161002162	SANJU	9	Nine
211041101165	1211161002167	SAKSHI	7	Seven
211041101169	1211161002171	AAKRITI	9	Nine
211041101171	1211161002173	AAKASH	9	Nine
211041101181	1211161002182	RONAK	7	Seven
211041101184	1211161002185	ISHWAR	7	Seven
211041101188	1211161002189	ROHIT KUMAR	8	Eight
211041101190	1211161002191	NITIN YADAV	7	Seven
211041101191	1211161002193	ANKIT	14	Fourteen
211041101192	1211161002194	TARUN	9	Nine
211041101196	1211161002198	SANDEEP	7	Seven
211041101197	1211161002199	RAVINA	12	Twelve
211041101202	1211161002204	MANISHA	9	Nine
211041101205	1211161002207	AMIT KUMAR	7	Seven
211041101206	1211161002208	VIPUL	9	Nine
211041101207	1211161002209	HEMA	12	Twelve

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **GEOGRAPHY PAPER-II-TS1**

Paper/Code : **61062**

Max Marks : **15**

Minimum Pass Marks

Semester : Sixth Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041101209	1211161002211	ARJUN	7	Seven
211041101210	1211161002212	ANKIT	7	Seven
212281101009	1211221002007	KOMAL	10	Ten
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

INDIRA GANDHI UNIVERSITY, MEERPUR, REWARI

CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES FOR UNDER GRADUATE COURSES OF ALL BRANCHES OF HIGHER EDUCATION

Maximum Marks : 100
External Marks: 80
Internal Marks: 20
Time : 3:00 hrs

Unit 1: The Multidisciplinary Nature of Environmental Studies

Definition, scope and importance
Need for public awareness.

(2
lectures)

Go To CHAPTER 1 – INTRODUCTION
APPENDIX 2 – GLOSSARY

Unit 2: Natural Resources

Renewable and Non-renewable Resources:

∑ Natural resources and associated problems.

- (a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
- (b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
- (c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- (d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, Case studies.

- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Case studies.
- (f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

∑ Role of an individual in conservation of natural resources.

∑ Equitable use of resources for sustainable lifestyles. (8 lectures)

Unit 3: Ecosystems

- ∑ Concept of an ecosystem.
- ∑ Structure and function of an ecosystem.
- ∑ Producers, consumers and decomposers.
- ∑ Energy flow in the ecosystem.
- ∑ Ecological succession.
- ∑ Food chains, food webs and ecological pyramids.
- ∑ Introduction, types, characteristic features, structure and function of the following ecosystem:
 - (a) Forest ecosystem
 - (b) Grassland ecosystem
 - (c) Desert ecosystem
 - (d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) (6 lectures)

Unit 4: Biodiversity and Its Conservation

- ∑ Introduction, definition: genetic, species and ecosystem diversity.
- ∑ Biogeographical classification of India.
- ∑ Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- ∑ Biodiversity at global, National and local levels.
- ∑ India as a mega-diversity nation.
- ∑ Hot-spots of biodiversity.
- ∑ Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts.
- ∑ Endangered and endemic species of India.

∑ Conservation of biodiversity: in-situ and ex-situ conservation of biodiversity.

(8 lectures)

Go To CHAPTER 5 – BIODIVERSITY
APPENDIX 2 – GLOSSARY
APPENDIX 1 – INTERNATIONAL CONVENTIONS AND PROTOCOLS
TO PROTECT THE ENVIRONMENT

Unit 5: Environmental Pollution

∑ Definition

∑ Causes, effects and control measures of

(a) Air pollution

(c) Soil pollution

(e) Noise pollution

(b) Water pollution

(d) Marine pollution

(f) Thermal
pollution

(g) Nuclear hazards

∑ Solid waste management: Causes, effects and control measures of urban and industrial wastes.

∑ Role of an individual in prevention of pollution.

∑ Pollution case studies.

∑ Disaster management: Floods, earthquake, cyclone and landslides.

(8
lectures)

Go To CHAPTER 6 – ENVIRONMENTAL POLLUTION
CHAPTER 9 – SCIENCE OF ENVIRONMENT
APPENDIX 2 – GLOSSARY
APPENDIX 1 – INTERNATIONAL CONVENTIONS AND PROTOCOLS TO
PROTECT THE ENVIRONMENT

Unit 6: Social Issues and the Environment

∑ From unsustainable to sustainable development.

∑ Urban problems related to energy.

∑ Water conservation, rain water harvesting, watershed management.

∑ Resettlement and rehabilitation of people; its problems and concerns. Case studies.

∑ Environmental ethics: Issues and possible solutions.

∑ Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.

- ∑ Wasteland reclamation.
- ∑ Consumerism and waste products.
- ∑ Environment Protection Act.
- ∑ Air (Prevention and Control of Pollution) Act.
- ∑ Water (Prevention and Control of Pollution) Act.
- ∑ Wildlife Protection Act.
- ∑ Forest Conservation Act.
- ∑ Issues involved in enforcement of environmental legislation.
- ∑ Public awareness. (7 lectures)

Go To

CHAPTER 7 – SOCIAL ISSUES AND THE ENVIRONMENT
 APPENDIX 1 – INTERNATIONAL CONVENTIONS AND PROTOCOLS TO
 PROTECT THE ENVIRONMENT
 APPENDIX 2 – GLOSSARY

Unit 7: Human Population and the Environment

- ∑ Population growth, variation among nations.
- ∑ Population explosion—Family Welfare Programme.
- ∑ Environment and human health.
- ∑ Human rights.
- ∑ Value education.
- ∑ HIV/AIDS.
- ∑ Women and Child Welfare.
- ∑ Role of Information Technology in environment and human health.
- ∑ Case Studies. (6 lectures)

Go To

CHAPTER 8 – HUMAN POPULATION AND THE ENVIRONMENT
 APPENDIX 2 – GLOSSARY

Unit 8: Field Work

∑ Visit to a local area to document environmental assets—river/forest/grassland/hill/mountain.

∑ Visit to a local polluted site—Urban/Rural/Industrial/Agricultural.

∑ Study of common plants, insects, birds.

∑ Study of simple ecosystems—pond, river, hill slopes, etc.

(Field work equal to 5 lecture hours)

Note:

There will be 09 questions in all. The question no. 01 is compulsory consisting of 08 short answer questions covering the whole syllabus. The remaining 08 questions will be from Unit 1 to Unit 7. The students are required to attempt any four questions out of these eight questions. All questions carry equal marks.



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.COM Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
211041102091	1211161003097	RAKESH YADAV	GA	
231041102001	1230704001	BHAVANA	GB	
231041102002	1230704002	PAPITA	GB	
231041102003	1230704003	PARAS	GB	
231041102004	1230704004	VARSHA	GB	
231041102005	1230704005	RUCHI	GC	
231041102006	1230704006	VINAY	GC	
231041102007	1230704007	RITIKA	GC	
231041102008	1230704008	NITIN YADAV	GC	
231041102009	1230704009	HIMANSHI	GC	
231041102010	1230704010	SAPNA	GB	
231041102011	1230704011	VARSHA	GC	
231041102012	1230704012	VISHAL KUMAR	GC	
231041102013	1230704013	LOKESH YADAV	GC	
231041102014	1230704014	DEV	GC	
231041102015	1230704015	NAKUL	GC	
231041102016	1230704016	KULDEEP	GC	
231041102018	1230704017	AARTI	AB	
231041102019	1230704018	DEVANSHU	GC	
231041102020	1230704020	AKASH	GB	
231041102021	1230704021	NEHA	GB	
231041102022	1230704022	CHICHAN	GC	
231041102023	1230704023	SAHIL KUMAR	AB	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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B.COM Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041102024	1230704024	DIPEESH YADAV	AB	
231041102025	1230704025	JYOTI	GC	
231041102026	1230704026	SATYAM JHA	GC	
231041102027	1230704027	KARAN KUMAR	GC	
231041102028	1230704028	SACHIN MISHRA	GC	
231041102029	1230704029	ARJUN KUMAR RAM	GC	
231041102030	1230704030	MAHESH	GC	
231041102031	1230704031	GIRVAR	AB	
231041102032	1230704032	ANKIT KUMAR	GC	
231041102033	1230704033	SHABAB ANWAR	GA	
231041102034	1230704034	VICKEY	GB	
231041102035	1230704035	GARVIT OJHA	GA	
231041102036	1230704036	MS JIYA KUMARI	GC	
231041102037	1230704037	VINAY YADAV	GB	
231041102038	1230704038	SURAJ	GB	
231041102039	1230704039	NISHANT KUMAR	GC	
231041102040	1230704040	PRASHANT GUPTA	AB	
231041102041	1230704041	RACHIT YADAV	GA	
231041102042	1230704042	SANDEEP	GB	
231041102043	1230704043	NITIN	AB	
231041102044	1230704044	PRIYANKA GOUND	GC	
231041102045	1230704045	AARTI	GA	
231041102046	1230704046	DEVENDER	GC	

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Signature of College Principal /
Director with College Sheal

Contact No



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.COM Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041102047	1230704047	KRISHAN KANT VEER	AB	
231041102048	1230704048	AMAN	GC	
231041102049	1230704049	TANNU	GC	
231041102050	1230704050	SACHIN	AB	
231041102051	1230704051	RANJANA YADAV	GB	
231041102052	1230704052	SAPNA KUMARI	GB	
231041102053	1230704053	AMIT	AB	
231041102054	1230704054	GAURAV SINGH	GB	
231041102055	1230704055	BABLU	AB	
231041102056	1230704056	ROHIT	GB	
231041102057	1230704057	SWETA KUMARI	GB	
231041102058	1230704058	SACHIN KUMAR	GB	
231041102059	1230704059	AASHU KUMAR	AB	
231041102060	1230704060	PRITAM	AB	
231041102061	1230704061	SOORAJ SINGH PUNDIR	GC	
231041102062	1230704062	AMIT	AB	
231041102063	1230704063	ROHAN YADAV	GB	
231041102064	1230704064	JYOTI YADAV	GA	
231041102065	1230704065	MAHIPAL	GA	
231041102066	1230704066	NEHA	GB	
231041102067	1230704067	MAYANK YADAV	GA	
231041102068	1230704068	RENU	GC	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.COM Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041102069	1230704069	SHIVANI YADAV	GB	
231041102070	1230704070	SAHIL	AB	
231041102071	1230704071	ANAND	GB	
231041102072	1230704072	SACHIN KUMAR	AB	
231041102073	1230704073	DEEPAK	GB	
231041102074	1230704074	GUNGUN GUPTA	GA	
231041102075	1230704075	TARUN YADAV	GB	
231041102076	1230704076	HITESH	AB	
231041102077	1230704077	AMAR SINGH	GF	
231041102078	1230704078	SANJEET	AB	
231041102079	1230704079	AJAY	AB	
231041102080	1230704080	MS.SUMAN	AB	
231041102081	1230704081	ROSHAN TIWARI	GF	
231041102082	1230704082	SANDEEP MAURYA	AB	
231041102083	1230704083	MS MUSKAN KUMARI	GB	
231041102084	1230704084	AMIT SINGH	GB	
231041102085	1230704085	LOKESH KUMAR	AB	
231041102086	1230704086	ANURAG	GB	
231041102087	1230704087	ROHIT	GA	
231041102088	1230704088	MOHINI	GB	
231041102089	1230704089	TANISH	AB	
231041102090	1230704090	KUNAL KUMAR OJHA	GF	
231041102091	1230704091	HARSHIT MEHARA	GB	

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.COM Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041102092	1230704092	DEVENDER	GB	
231041102093	1230704093	TANNU SINGH	GB	
231041102094	1230704094	SUBH PRATAP SINGH	GB	
231041102095	1230704095	ROHIT SINGH	AB	
231041102096	1230704096	KUNAL LAMBA	GB	
231041102097	1230704097	ISHAK	GC	
231041102098	1230704098	YATIN	GB	
231041102099	1230704099	PRITI	GB	
231041102100	1230704100	RAIKSH TOMAR	GB	
231041102101	1230704101	NISHU TOSH	AB	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Sheal

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

BSC(N-MEDI) Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES-S1**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
201041103067	120116015009	NISHANT	GA	
231041103001	1230672001	DIVYA	GC	
231041103002	1230672002	KAPIL	AB	
231041103003	1230672003	KIRTI	GB	
231041103004	1230672004	ANAMIKA YADAV	GA	
231041103005	1230672005	POOJA KUMARI	AB	
231041103006	1230672006	KARAN	AB	
231041103007	1230672007	AMAN KUMAR JHA	GC	
231041103008	1230672008	MS.ANSHIKA KUMARI	GC	
231041103009	1230672009	ANJALI	GB	
231041103010	1230672011	MS.RANI CHATURVEDI	GB	
231041103011	1230672012	DEEPAK KUMAR	GB	
231041103012	1230672013	PRIYA	GA	
231041103013	1230672014	PRAKASH KUMAR	AB	
231041103014	1230672015	LAXMI	GC	
231041103015	1230672017	ROHIT KUMAR	GD	
231041103016	1230672018	ROHIT	GD	
231041103017	1230672019	PUNIT	GC	
231041103018	1230672021	NEHA	GD	
231041103019	1230672023	KHUSHI	GC	
231041103020	1230672024	ANCHAL NEGI	GC	
231041103021	1230672025	RAJAT	GB	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

BSC(N-MEDI) Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **ENVIRONMENTAL STUDIES-S1**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041103022	1230672026	SHIVA PARMAR	GD	
231041103023	1230672027	SHIVA SINGH	GC	
231041103024	1230672028	SUMIT KUMAR	GB	
231041103025	1230672029	ASHISH KUMAR	GF	
231041103026	1230672030	RAHUL	GC	
231041103027	1230672032	MS.BIPASHA	GC	
231041103028	1230672033	MS. ISHA YADAV	GC	
231041103029	1230672034	MS.VARSHA YADAV	GB	
231041103030	1230672035	PREETI	GC	
231041103031	1230672036	ROHIT	GC	
231041103032	1230672037	AKASH KUMAR	GC	
231041103033	1230672038	PRIYANKA	AB	
231041103034	1230672041	SULABH KUMAR CHAURASYA	GD	
231041103035	1230672039	ANKIT	GC	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

.....



INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

To be treated as strictly Confidential

B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
181041101036	2114910010	SOURAV TANWAR	GB	
181041101149	2114910082	ARJUN	GB	
211041101079	1211161002081	SHYAMBIR	GB	
211041101209	1211161002211	ARJUN	GA	
231041101001	1230671036	AMAN KUMAR	GC	
231041101002	1230671030	PRIYA	AB	
231041101003	1230671009	JATIN KUMAR	GD	
231041101004	1230671034	NEHA	AB	
231041101005	1230671184	MS.NEHA KUMARI	GB	
231041101006	1230671067	KULDEEP	GC	
231041101007	1230671228	JYOTI	GB	
231041101008	1230671159	ANSHU YADAV	AB	
231041101009	1230671107	GAURAV	GC	
231041101010	1230671016	PRAVINDER	GC	
231041101011	1230671015	HANSRAJ	AB	
231041101012	1230671054	MUSKAN	GC	
231041101013	1230671027	SACHIN	GB	
231041101014	1230671086	RAHUL	AB	
231041101015	1230671132	MOHIT KUMAR	AB	
231041101016	1230671003	SARLA	GB	
231041101017	1230671066	RAHUL	GD	
231041101018	1230671023	POONAM	GC	
231041101019	1230671050	NEHA	GB	

Signature of Class Teacher

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Director with College Seal

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101020	1230671007	MUSKAN	GD	
231041101021	1230671046	ABHISHEK KUMAR	GC	
231041101022	1230671039	TAMANNA	GB	
231041101023	1230671140	HARSH SAINI	GC	
231041101024	1230671117	SUMIT SHARMA	GC	
231041101025	1230671017	LAKSHAY	GD	
231041101026	1230671029	MS.SANDHYA DIXIT	GA	
231041101027	1230671077	VEERWATI	GC	
231041101028	1230671111	KAPIL	GD	
231041101029	1230671049	VIKAS	GD	
231041101030	1230671043	JANVI	GD	
231041101031	1230671079	SANIA	GA	
231041101032	1230671131	TANNU	GB	
231041101033	1230671179	MS.RIYA KUMARI	GC	
231041101034	1230671040	SAVITA	GF	
231041101035	1230671048	MOHIT	GC	
231041101036	1230671069	NIKKI KUMARI	GB	
231041101037	1230671076	MANOJ	GF	
231041101038	1230671075	SONIYA	GC	
231041101039	1230671002	NEHA	GB	
231041101040	1230671103	ROHIT KUMAR	GD	
231041101041	1230671136	SUSHIL	GC	
231041101042	1230671013	ROHIT	GC	

Signature of Class Teacher

Signature of College Principal /
Director with College Seal

Contact No

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INDIRA GANDHI UNIVERSITY
MEERPUR REWARI HARYANA

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101043	1230671100	GOURAV	GD	
231041101044	1230671098	LELESH	GF	
231041101045	1230671116	NISHA	GC	
231041101046	1230671105	BISWAJEET BISWAL	GF	
231041101047	1230671130	RANI	GC	
231041101048	1230671141	DUSHYANT	AB	
231041101049	1230671133	RAHUL	GD	
231041101050	1230671138	PRAVEEN KUMAR	GF	
231041101051	1230671018	KRISH	GC	
231041101052	1230671123	SUMIT KUMAR	GF	
231041101053	1230671053	RAHUL	AB	
231041101054	1230671106	MOHIT	AB	
231041101055	1230671051	SAHIL	AB	
231041101056	1230671063	LAXMAN	GF	
231041101057	1230671052	ANKIT	GC	
231041101058	1230671084	AJAY	AB	
231041101059	1230671038	ANJALI	AB	
231041101060	1230671008	HARSHITA	GB	
231041101061	1230671056	RENUKA	GB	
231041101062	1230671091	RAVI KUMAR	AB	
231041101063	1230671121	ANAND KUMAR	GB	
231041101064	1230671097	VERSHA	GB	
231041101065	1230671035	KESHAV	GC	

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COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101066	1230671060	SNEHA	GB	
231041101067	1230671064	KARISHMA	GC	
231041101068	1230671019	TARUN	AB	
231041101069	1230671120	SANKET KUMAR	AB	
231041101070	1230671108	POOJA KUMARI	GB	
231041101071	1230671146	PAWAN KUMAR	GC	
231041101072	1230671166	PANKAJ KUMAR	AB	
231041101073	1230671175	LUCKY	GD	
231041101074	1230671104	JATIN	GC	
231041101075	1230671194	OMBIR	GB	
231041101076	1230671031	HEMANT KUMAR	AB	
231041101077	1230671185	TARUN KUMAR	GC	
231041101078	1230671118	JITENDER KUMAR	AB	
231041101079	1230671004	ANAND	AB	
231041101080	1230671142	SAURAV	AB	
231041101081	1230671112	KRITIKA	GC	
231041101082	1230671021	SADIYA	GB	
231041101083	1230671220	SONIYA	GB	
231041101084	1230671170	KAJAL KUMARI	AB	
231041101085	1230671042	ALOK	AB	
231041101086	1230671024	BHAWANA	GC	
231041101087	1230671061	NEHA	GB	
231041101088	1230671186	UJJAWAL	GC	

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101089	1230671200	KAJAL	GC	
231041101090	1230671025	AKASH	AB	
231041101091	1230671139	NEHA	GC	
231041101092	1230671212	KASHISH YADAV	AB	
231041101093	1230671012	YASHPAL	GF	
231041101094	1230671092	SHIVAM	AB	
231041101095	1230671137	NIRJARA	GC	
231041101096	1230671065	RIYA	GB	
231041101097	1230671073	MUKUL KUMAR	AB	
231041101098	1230671087	GAURAV	GC	
231041101099	1230671192	VIKAS	GC	
231041101100	1230671085	DEEPAK	GC	
231041101101	1230671160	ARVIND KUMAR	AB	
231041101102	1230671114	AADIL	GB	
231041101103	1230671011	PREETI	GA	
231041101104	1230671026	TANNU	GC	
231041101105	1230671206	NEHA	GB	
231041101106	1230671028	RITU	GC	
231041101107	1230671157	CHANDER KUMAR	GB	
231041101108	1230671113	NEHA	GC	
231041101109	1230671182	UMA KUMARI	GC	
231041101110	1230671119	PRIYANKA	GC	
231041101111	1230671078	RITIK KUMAR	AB	

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101112	1230671082	ANITA	GC	
231041101113	1230671055	AMIT KUMAR	AB	
231041101114	1230671151	CHANCHAL SHARMA	GC	
231041101115	1230671006	AKASH	GF	
231041101116	1230671058	VIKASH	GC	
231041101117	1230671158	MANJEET KUMAR	AB	
231041101118	1230671128	PRINCE KUMAR	GC	
231041101119	1230671047	SUMIT SINGH	GC	
231041101120	1230671088	RITESH	AB	
231041101121	1230671154	KAPIL KUMAR	GC	
231041101122	1230671125	TAMNNA SHARMA	GF	
231041101123	1230671001	SHOURYA SINGH TANWAR	AB	
231041101124	1230671225	PINKI	GD	
231041101125	1230671122	SUNIL	AB	
231041101126	1230671068	SHANI	GA	
231041101127	1230671102	KANCHAN	GD	
231041101128	1230671033	ARVIND	AB	
231041101129	1230671032	ARVIND KUMAR	GB	
231041101130	1230671057	ANKITA	AB	
231041101131	1230671074	PARVEEN KUMAR	AB	
231041101132	1230671070	POOJA	AB	
231041101133	1230671096	LALIT	AB	

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COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101134	1230671095	MANWAR SINGH	GA	
231041101135	1230671059	SUBHAM	GF	
231041101136	1230671037	JYOTI	AB	
231041101137	1230671127	NEERAJ	AB	
231041101138	1230671191	DHARMENDER	AB	
231041101139	1230671005	JYOTI	GB	
231041101140	1230671094	GAURAV PUNIA	AB	
231041101141	1230671071	GAURAV KUMAR	AB	
231041101142	1230671219	LUXMI	GA	
231041101143	1230671109	SAHIL	AB	
231041101144	1230671090	SHEELA	GA	
231041101145	1230671093	POONAM	AB	
231041101146	1230671161	VIPIN	GB	
231041101147	1230671044	AYUSH ARYA	GF	
231041101148	1230671020	MONIKA DEVI	AB	
231041101149	1230671041	DINESH	AB	
231041101150	1230671188	DIMPY	AB	
231041101151	1230671083	SONIYA	GB	
231041101152	1230671181	RAHUL KUMAR	GB	
231041101153	1230671062	KARAN SINGH	GC	
231041101154	1230671202	SANNI KUMAR	AB	
231041101155	1230671081	NIRAJ KUMAR	GC	
231041101156	1230671101	BHUPENDER	GF	

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101157	1230671177	RAJNIKANT KUMAR	GC	
231041101158	1230671099	ANKIT SAINI	GB	
231041101159	1230671089	MOHIT	AB	
231041101160	1230671126	SAPNA RANI	AB	
231041101161	1230671045	ZEBAN ANJOM	GC	
231041101162	1230671080	BHUMIKA	AB	
231041101163	1230671189	MUKUL	GC	
231041101164	1230671143	DHARMESH YADAV	GD	
231041101165	1230671115	MS. KOMAL	AB	
231041101166	1230671110	MANU KUMARI	GC	
231041101167	1230671165	NEHA	GC	
231041101168	1230671129	TUSHAL	AB	
231041101169	1230671190	MS MANJU	GB	
231041101170	1230671150	MANAS KUMAR JHA	GC	
231041101171	1230671124	CHHAYA YADAV	GB	
231041101172	1230671156	SAGAR	AB	
231041101173	1230671152	NIKHIL KUMAR JHA	AB	
231041101174	1230671135	ABHISHEK	AB	
231041101175	1230671134	SAHIL	AB	
231041101176	1230671144	REENA	GC	
231041101177	1230671145	ASHA	GB	
231041101178	1230671153	LALIT KUMAR	GF	
231041101179	1230671155	DHEERAJ SAINI	AB	

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101180	1230671183	NEHA SAINI	GB	
231041101181	1230671148	CHARAN SINGH	GC	
231041101182	1230671149	GAURAV KUMAR	AB	
231041101183	1230671193	ASHISH	GF	
231041101184	1230671168	CHETANA	GB	
231041101185	1230671172	AAKASH	AB	
231041101186	1230671180	KULDEEP	AB	
231041101187	1230671167	ANIL KUMAR	AB	
231041101188	1230671162	PAYAL	GB	
231041101189	1230671204	PRADEEP	AB	
231041101190	1230671230	NISHA	GA	
231041101191	1230671163	GOURAV	GF	
231041101192	1230671164	MOHIT	GF	
231041101193	1230671169	HEMANT KUMAR	AB	
231041101194	1230671176	SUNIL	GB	
231041101195	1230671187	DHIRAJ	AB	
231041101196	1230671173	BALJEET KUMAR	GA	
231041101197	1230671174	YAMAN KUMAR	AB	
231041101198	1230671178	NEHA	GA	
231041101199	1230671171	PREETI	GA	
231041101200	1230671197	SOORYANSH	GF	
231041101201	1230671199	FATEH SINGH	AB	
231041101202	1230671198	KULDEEP	AB	

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MEERPUR REWARI HARYANA

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B.A Internal Examination MAY-2024

COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101203	1230671196	NIKKY YADAV	AB	
231041101204	1230671195	ASHISH KUMAR	AB	
231041101205	1230671221	SAKSHI	GB	
231041101206	1230671203	RITIK	AB	
231041101207	1230671227	MOHIT DAYMA	AB	
231041101208	1230671209	DEEPAK BHIDURI	AB	
231041101209	1230671201	DEEPAK	AB	
231041101210	1230671214	HEMANT	GD	
231041101211	1230671231	NIDHI	GB	
231041101212	1230671211	MUSKAN	GF	
231041101213	1230671205	MANJEET SINGH	GF	
231041101214	1230671213	RAVI	GF	
231041101215	1230671208	KAPIL BHIDURI	AB	
231041101216	1230671207	KRISHAN	AB	
231041101217	1230671222	BABY KUMARI	GB	
231041101218	1230671215	JYOTI	GC	
231041101219	1230671210	BABLI	GC	
231041101220	1230671218	MUKESH KUMAR	AB	
231041101221	1230671217	RAVIKANT DAS	GD	
231041101222	1230671216	SACHIN KUMAR	GD	
231041101223	1230671223	DEV BHIDURI	AB	
231041101224	1230671224	SONAM	GD	
231041101225	1230671229	RAHUL	AB	

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Director with College Seal

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COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101226	1230671226	SUMIT DAYMA	AB	
231041101227	1230671232	VIKRAM	GF	
231041101228	1230671233	MS.SHREYA TIWARI	GC	
231041101229	1230671234	VANSH	AB	
231041101230	1230671235	POOJA	GD	
231041101231	1230671236	ROHIT	GF	
231041101232	1230671237	MS SANDHYA	GC	
231041101233	1230671238	VANSHUL SHARMA	AB	
231041101234	1230671239	KUSH KUMAR	AB	
231041101235	1230671255	SHAKIL	GC	
231041101236	1230671240	KARTIK CHHINWAL	AB	
231041101237	1230671241	MOHIT	GD	
231041101238	1230671254	POOJA	GC	
231041101239	1230671242	JAYANT	AB	
231041101240	1230671253	KUMARI NISHA	GC	
231041101241	1230671252	NEHA SHARMA	GC	
231041101242	1230671251	VIKAS YADAV	AB	
231041101243	1230671250	SHEETAL DEVI	GD	
231041101244	1230671243	ANKIT	AB	
231041101245	1230671244	RAVINDER YADAV	GC	
231041101246	1230671245	PRIYA	GC	
231041101247	1230671246	PRITAM	AB	
231041101248	1230671247	ANTIM	GD	

Signature of Class Teacher

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COLLEGE : GCKH-104-GOVT. COLLEGE, KHARKHARA (REWARI)

Subject : **Environmental Studies(Qualifying Paper)**

Paper/Code : **22998**

Max Marks : **100**

Minimum Pass Marks

Semester : Second Semester

Roll No./ Reg No	College Rollno	Student Name	Marks In Figure	Marks In Word
231041101249	1230671248	MUKUND KUMAR MISHRA	GD	
231041101250	1230671249	SHYAMVATI	GC	
TOTAL				

Total Present

Total Absent

Signature of Class Teacher

Contact No

Signature of College Principal /
Director with College Seal

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