

2025

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**M. A. Fourth Semester (CBCS) Examination  
Geography**

**Course - CC 4.1**

**(Resource and Regional Economic Development)**

Full Marks—40

Time—2 Hours

*The figures in the right hand side margin indicate marks.*

Answer **any four** questions selecting **one** from each unit. 4×10=40

**Unit-I**

**(Concept of Resources and Economics)**

1. Examine the role of human resources in the socio-economic development of developing countries. Highlight the major challenges affecting human resource development in developing countries. 7+3=10
2. Explain the concept of energy sustainability. Evaluate the significance of renewable and non-renewable energy resources in economic development. 2+8=10

**Unit-II**

**(Agriculture)**

3. Analyse the impact of the Green Revolution on agricultural productivity, cropping patterns, and farmer's livelihoods. Assess the uneven impact of Green Revolution across Indian States.

7+3=10

[P.T.O.]

4. Define the concept of agricultural regions. Explain the various techniques used in the delineation of agricultural regions. 3+7=10

### Unit-III (Industry)

5. Critically evaluate Weber's Least Cost Theory of industrial location. State how this theory is still applicable in contemporary industrial planning. 8+2=10
6. Analyse the salient features of 1991 Industrial Policy Statement. How did liberalization, privatization and globalization change the direction of India's Industrial development. 6+4=10

### Unit-IV (Levels of Industrial Development in India)

7. Examine the causes of regional disparities in India in post-independence period. Mention some initiative taken by Indian government to reduce the regional disparity. 6+4=10
  8. Discuss the process of urbanization in India. Explain how it has influenced regional development since independence. 5+5=10
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Geography****Course - CEC 4.1**

Full Marks—40

Time—2 Hours

*The figures in the right hand side margin indicate marks.*Answer **any four** questions selecting **one** from each unit.**Environmental Geography****Unit-I****(Human & Environment)**

1. How do pre-industrial, industrial and post-industrial societies differ in terms of (a) change in production technology and (b) impact on environment? 5+5=10
2. What is meant by 'Limits to growth'? What are SDGs? How does sustainable development balance needs and limits? 2+3+5=10

**Unit-II****(Environmental degradation)**

3. Define and classify solid wastes. Write a short note on effective solid waste management practices. 5+5=10

[P.T.O.]



4. Explain the formation of urban heat island. What do you mean by 'night time maxima'? Account for the seasonal changes in UHI effect.

6+2+2=10

### **Unit-III**

#### **(Development and Environment)**

5. Critically evaluate the issues in the management of tourism industry in light of sustainable development. What is meant by CFC hazard?

8+2=10

6. Write a note on the 'Silent Valley Movement' in India. What are the key lessons learnt? 8+2=10

### **Unit-IV**

#### **(Environmental policy & management)**

7. Explain 'carbon trading' as a concept and explain the relevance of 'Clean Development Technologies' in this context.

3+7=10

8. Explain the major functions of an EMP. Why is it called a live document?

7+3=10

### **Urban Geography**

#### **Unit-I**

#### **(Role of Cities : Characteristics & Process)**

1. Differentiate between basic and non-basic functions with examples. What is the relevance of the Economic Base theory in understanding the urban system?

5+5=10

2. Write a short note on process of urbanisation. Discuss the characteristics that help to identify conurbations.  $5+5=10$

## Unit-II

### (The Urban Region)

3. What are the major problems and prospects in peri-urban regions? Identify the major land use changes that occur as peri-urban regions transform.  $5+5=10$
4. What is a city-region? Illustrate the empirical and theoretical methods for the delineation of city region.  $2+8=10$

## Unit-III

### (Urban Transformation)

5. How does urban renewal differ from gentrification? Evaluate the social and economic outcomes of a major urban renewal project in any Indian city.  $4+6=10$
6. Explain the concept of the Revanchist City. Critically discuss how increasing socio-economic inequalities lead to rise in the incidence of crime.  $4+6=10$

## Unit-IV

### (Indian Urbanization)

7. Describe the major phases of urbanisation in India. How have economic reforms in 1991 influenced the pace and pattern of urban growth in India? 5+5=10
  8. Identify the major environmental issues associated with Indian urbanization process. What are the key infrastructural challenges of most of the Indian cities? Give examples. 6+4=10
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**M. A. Fourth Semester (CBCS) Examination**  
**Geography**

**Course - OEC 4.1**

**(Hazard and Disaster Management)**

Full Marks—40

Time—2 Hours

*The figures in the right hand side margin indicate marks.*

Answer **any four** questions selecting **one** from each unit.

**Unit-I**

1. Differentiate natural disaster from quasi-natural hazard. Classify disasters in the Indian context with examples. 4+6=10
2. What do you mean by Vulnerability? Mention various disaster management measures adopted for Disaster Risk Reduction. 4+6=10

**Unit-II**

3. Identity the livelihood adaptation strategies adopted by natives of earthquake prone areas. Why earthquake is considered as natural hazard? 6+4=10
4. Classify and explain the earthquake prone regions of India with a note on NDMA guidelines for this management. 6+4=10

[P.T.O.]



### Unit-III

5. Discuss the impact of nuclear hazard on environment and human health. Mention various strategies to prevent this hazard.  $4+6=10$
6. Mention the causes and consequences of soil erosion. Differentiate soil erosion from land degradation.  $6+4=10$

### Unit-IV

7. What are the various dimensions of hazard preparedness? Briefly discuss the different hazard management approaches with example.  $4+6=10$
  8. Discuss the government initiatives in hazard and disaster management in India. Name the various international agencies and mention their roles in hazard preparedness.  $5+5=10$
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2025

**M. A. Fourth Semester (CBCS) Examination**  
**Geography**  
**Course - OEC 4.2**

**(Contemporary Issues in Human Geography)**

Full Marks—40

Time—2 Hours

*The figures in the right hand side margin indicate marks.*

Answer **any four** questions selecting **one** from each unit.

**Unit-I**

**(Human Geography : Dimensions and New Trend)**

1. Explain how structuralism influences geographical thought. State differences between structuralism and post-structuralism. 6+4=10
2. Discuss the social and political dimensions of Human Geography. State in brief the Vidalian tradition in Human Geography. 6+4=10

**Unit-II**

**(Contemporary Economic Issues)**

3. Discuss the concept of “New Economy”. State the effects of Economic Globalization. 4+6=10
4. How does GATT influence world trade? State the ways in which GATT decisions impact Indian economy. 6+4=10

[ P. T. O. ]

### **Unit-III**

#### **(Contemporary Social Issues)**

5. What are the basic features of traditional tribal culture? Discuss the changes in tribal culture owing to modernisation. 5+5=10
6. State the basic dimension of cultural globalization. Discuss the concept of Cyber Culture. 6+4=10

### **Unit-IV**

#### **(Contemporary Political Issues)**

7. Discuss temporal changes in the sharing of river water between India and Bangladesh since independence. What is the role of Farakka Barrage? 7+3
  8. State the major maritime routes in the Indian Ocean and their strategic importance. Illustrate the importance of Indian Ocean in global geopolitics. 5+5
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2025

**M. A. Second Semester (CBCS) Examination**  
**Geography**  
**Course - CC 2.4**  
**(Practical)**

**(Climatology, Bio-geography and Soil-geography)**

Full Marks—40

Time—3 Hours

*The figures in the right hand side margin indicate marks.*

**All questions are compulsory.**

1. Interpret the given weather map of India with special reference to—(Fig.1)
  - (i) Relationship between pressure condition and cloud condition.
  - (ii) Sky condition and other atmospheric phenomena.
  - (iii) Identify the season. 5+4+1=10
2. Prepare a climatic chart on the basis of the data given below showing the relationship between temperature, relative humidity and precipitation. Interpret the chart. (Table-1) 8+2=10



**Table-1**

Station Kolkata	Average Temperature	Rainfall	Relative Humidity	Pressure
July-2007	(°C)	(mm)	(%)	(mb)
1	29.3	3.1	94	1002.2
2	30.6	2.4	77	1002.2
3	33.6	0.4	71	999.8
4	33.0	0.1	77	998.0
5	32.0	0.8	83	996.2
6	31.4	4.1	83	993.2
7	30.4	5.2	87	995.2
8	31.6	6.4	90	997.4

3. Prepare a Ternary Diagram to represent the following data and the soil texture. The given Ternary Diagram may be used as a guideline. (Fig-2)

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**Table-2**

Sl.No.	Place	Sand (%)	Silt (%)	Clay (%)
1	A	30.6	22.5	46.9
2	B	17.01	30.5	52.49
3	C	30.1	24.3	45.6

4. Laboratory Note Book and Viva-Voce. 5+5=10



Q. No. 1. Fig. 1

# INDIAN DAILY WEATHER REPORT

WEATHER MAP AT 0830 HRS. I. S. T. (0300 HRS. G. M. T.)





Q. No. 3. Fig. 2

