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4 SEM TDC GGRH (CBCS) C 8

2025

(May/June)

GEOGRAPHY

(Core)

Paper : C-8

(**Economic Geography**)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : 1×5=5

(a) Intensive subsistence agriculture is mostly found in South-East Asia/North Africa.

(Choose the correct answer)

(b) The _____ of Newfoundland is the largest fishing ground of the Atlantic Ocean.

(Fill in the blanks)

(2)

- (c) Modern manufacturing using industrial machines was first developed in the USA.

(Write True or False)

- (d) Iron ore is an example of renewable/non-renewable resource.

(Choose the correct answer)

- (e) Write the full form of LAFTA.

2. Write short notes on any *three* of the following : $5 \times 3 = 15$

(a) Lumbering

(b) Livestock ranching

(c) The Suez Canal

(d) The Trans-Siberian Railway

(e) Characteristics of a manufacturing region

3. Discuss the concept of economic activity. Describe the effect of natural environment upon economic activity. $4 + 8 = 12$

Or

What are the different types of tertiary activities? Discuss the significance of tertiary activities. $2 + 10 = 12$

(3)

4. How does locational rent influence land use pattern? Describe your answer with the postulation of von Thünen's theory. $4 + 8 = 12$

Or

Define secondary activity. What are the conditions required for cotton textile industry? Illustrate your answer with examples from India. $2 + 10 = 12$

5. What do you mean by commercial agriculture? Give an account of the distribution and characteristics of commercial grain farming of the world. $2 + (3 + 7) = 12$

Or

Critically analyze Weber's least cost location theory and mention its present-day relevance. $10 + 2 = 12$

6. Discuss the relative importance of different means of transport. 12

Or

What do you mean by technology parks? Discuss their characteristics and significance. Mention the centres of technology parks of India. $2 + (4 + 4) + 2 = 12$

(4)

7. What are the different types of trade? Elaborate the importance of international trade in the economy of the country.

2+10=12

Or

Write a brief note on the economic importance of forests. Describe social forestry and agroforestry.

4+(4+4)=12

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4 SEM TDC GGRH (CBCS) C 10

2025

(May/June)

GEOGRAPHY

(Core)

Paper : C-10

(Remote Sensing and GIS)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : 1×5=5

(a) Active sensor in remote sensing is dependent on solar energy.

(Write True or False)

(b) The pure water appears black in the remote sensing image chiefly due to maximum reflection/maximum absorption of EMR.

(Choose the correct answer)

(c) State the full forms of FCC and TCC image.

(2)

(d) The non-selective scattering of EMR is mainly caused by _____.

(Fill in the blank)

(e) Name two sensors/data with high spatial resolution in remote sensing.

2. Answer any *three* of the following questions (within 120 words each) : $4 \times 3 = 12$

(a) Write in brief about the relevance of remote sensing in Geography.

(b) Discuss briefly about atmospheric window and its significance in remote sensing.

(c) Explain how EMR interacts with earth's atmosphere with a suitable diagram.

(d) State in brief about the historical development of remote sensing.

3. Answer any *three* of the following questions : $12 \times 3 = 36$

(a) Define spatial, spectral and temporal resolution in remote sensing. Discuss the utility and significance of spatial, spectral and temporal resolution in remote sensing applications. Give suitable examples. $6 + 4 + 2 = 12$

(3)

(b) Define spectral signature in remote sensing. Draw a spectral signature curve for water, land and vegetation. Discuss how spectral signature is helpful for detection of different earth surface features with relevant examples. $2 + 4 + 6 = 12$

(c) Describe briefly the types of remote sensing on the basis of sensors used, platforms and electromagnetic spectrum (EMS). Give suitable examples. $4 + 4 + 4 = 12$

(d) Discuss the basic principles and components of remote sensing technology. State the major merits and demerits of remote sensing. $8 + 4 = 12$
