



B.Sc./6th Sem (H)/GEO/25(CBCS)

2025

6th Semester Examination

GEOGRAPHY (Honours)

Paper : DSE 3-T

Full Marks : 60

Time : Three Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

(Population Geography)

Group - A

Answer any *ten* questions : $2 \times 10 = 20$

1. Why is population deemed as human resource?
2. Give the concept of 'cohort' with proper example.
3. What is 'migration stream'?
4. Write the principle of HDI.
5. What do you mean by family planning?
6. How is population influenced by urbanization?
7. Define Maternal Mortality Rate.
8. What is life expectancy?

P.T.O.

(2)

9. What is primary and secondary sex ratio.
10. What are push and pull factors in migration?
11. What factors influence the shape of an age-sex pyramid?
12. What are the main reason for rural to urban migration?
13. Define Maw Loud Ratio.
14. What is TFR?
15. Explain Logistic and Exponential growths.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

16. Critically estimate the salient features of declining sex ratio in a region.
17. Highlight the merits and demerits of Indian Population Policy-2000. $2\frac{1}{2} + 2\frac{1}{2}$
18. How does occupational structure influence the population composition in India?
19. Discuss the consequences of high dependency ratio.
20. What is 'ageing population'? Highlight the major contemporary problems of aged people in India. $2+3$
21. Describe the demographic transition model with its stages.

(3)

Group - C

Answer any *two* questions : $10 \times 2 = 20$

22. Describe the basis and characteristics of Population-Resource regions after Ackerman. 2+8
 23. Give the idea of population-environment dichotomy and scrutinize its status with respect to developing country like India. 3+7
 24. Draw out a comparative analysis between the population policy of developed and less developed countries.
 25. Give an account of the various sources of data for population studies.
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P.T.O.

(4)

OR

[Political Geography]

Group - A

Answer any *ten* questions : $2 \times 10 = 20$

1. What is 'Genre de vie'?
2. Define Political Geography.
3. What do you mean by Chipko Movement?
4. Define 'Pivot' area.
5. What do you mean by Land locked areas? Give an example.
6. What is Electoral Geography?
7. Differentiate between Territorial Integrity and Sovereignty.
8. What is Geopolitics?
9. Write any two functions of OPEC.
10. Differentiate exclave from enclave.
11. What is Marginal Crescent?
12. What do you mean by buffer state?
13. Name the members countries of SAARC.
14. What do you mean by Carbon Trading?
15. What is GTA?

(5)

Group - B

Answer any *four* questions : $5 \times 4 = 20$

16. Discuss the various bases of Classification of States.
17. Elaborate the concept of Gerrymandering.
18. How does geographic context influence voting pattern?
19. Write the features of Rimland according to Spykman.
20. Discuss the forest rights and its disputes in India.
21. Discuss the problem rehabilitation associated to dam construction.

Group - C

Answer any *two* questions : $10 \times 2 = 20$

22. Write about the Heartland model with criticisms.
23. Discuss the issues of conflict related to oil, water and emission of greenhouse gases in India.
24. Critically evaluate the significance of the study of Geopolitics in Political Geography.
25. Give an account of the territorial politics of Jammu and Kashmir in India.

P.T.O.

(6)

OR

[Soil and Biogeography]

Group - A

Answer any *ten* questions : $2 \times 10 = 20$

1. Define soil texture and name two methods of its determination.
2. Differentiate soil pH and from salinity.
3. Write two essential functions of organic matter in soil fertility.
4. What is meant by land capability classification? Mention any two classes.
5. What do you understand by 'species richness' in biodiversity studies?
6. What is 'pedon'?
7. What is 'bio-magnification'?
8. Define ecotone?
9. What is meant by eluviation?
10. What is energy cycle in ecosystem?
11. State something about C. N. ratio.
12. Briefly illustrate the term food web.
13. How does denitrification take place?

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14. Assess the role of phosphorus in soil.

15. Define 'Solum'.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

16. Describe the morphological features of Lateritic soils and explain their spatial occurrence in India.

17. Explain the structure and function of a tropical rainforest biome with reference to its productivity and biodiversity.

18. Illustrate the pathways of carbon dioxide in the biosphere using a flow diagram and explain its importance in global climate.

19. Discuss the components of a grassland ecosystem.

20. State the significance of soil organic matter in the growth of the plants.

21. Explain the role of parent rock and micro-organisms in the development of soil.

Group - C

Answer any *two* questions : $10 \times 2 = 20$

22. Discuss, in detail, the processes and factors involved in the development of soil horizons. Evaluate the impact of human interference on natural soil profiles.

P.T.O.

23. Critically compare the genesis, characteristics, and global distribution of Podzol and Chernozem soils. What implications do these soil have on agriculture?
 24. With special reference to the nitrogen and carbon cycles, assess the interdependence between biotic and abiotic components of an ecosystem. What are the implications of the disturbances in these cycles?
 25. Differentiate between structure and texture of soil. Analyse the importance of these two properties in plant growth.
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