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UG/III/GEOG/H/VI/18(New)

2018

**GEOGRAPHY**

*(Population Geography, Settlement Geography,  
Regional Planning and Remote Sensing and  
Geographic Information System)*

[ Honours ]

PAPER – VI

Full Marks : 90

Time : 4 hours

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their  
own words as far as practicable*

*Illustrate the answers wherever necessary*

[ NEW SYLLABUS ]

GROUP – A

[ Long-Answer type questions ]

( Turn Over )

( 2 )

Answer five questions, selecting one from  
each Unit(within 500 words) :  $10 \times 5$

UNIT – I

1. Give an account of the recent trends in global population growth.  $10$

*Or*

Analyse the caste composition of Indian population. Describe its regional variation in India.  $5 + 5$

UNIT – II

2. Discuss the significance of demographic transition theory. What kinds of information are obtained from its different stages ?  $4 + 6$

*Or*

Name the different measures of fertility. Critically evaluate the importance of different measures of fertility.  $2 + 8$

UNIT – III

3. What kinds of changes are observed in the evolution of settlements from hamlet to metropolis ? 10

*Or*

Critically evaluate the functional classification of urban centres by C.D. Harris. How does 'site' differ from 'situation' of a settlement ? 7 + 3

UNIT – IV

4. Explain the roles of Regional planning and Environmental planning in regional development with examples from India. 10

*Or*

Assess the roles of Panchayati Raj in rural development planning in India. Discuss the scheme of regionalisation in India as proposed by V. Nath. 3 + 7

UNIT – V

5. Discuss the characteristics of different types of EMR used in Remote Sensing System. What is the significance of DBMS ? 7 + 3

*Or*

What do you mean by GIS ? Explain the relevance, scope and importance of GIS in Information Technology. 2 + 8

GROUP – B

[ Semi-Long-Answer type questions ]

Answer five questions, selecting one from each Unit (within 250 words) : 4 × 5

UNIT – I

6. Evaluate the role of technology in modifying population-resource relationship. 4

*Or*

Analyse with examples the role of socio-economic factors of migration. 4

( 5 )

UNIT – II

7. Assess the problem of ageing population in India. 4

*Or*

Compare between population policy of India and China. 4

UNIT – III

8. Distinguish between Concentric Theory and Multiple Nuclei Theory. 4

*Or*

How does a rural settlement differ from an urban settlement as per the Indian census ? 4

UNIT – IV

9. Discuss with examples the hierarchy of regions. 4

*Or*

What are the advantages of decentralised planning ? 4

UNIT – V

10. Discuss the different types of resolution of imageries. 4

*Or*

Distinguish between spacial data and attribute data. 4

GROUP – C

[ Short-Answer type questions ]

Answer any ten questions, selecting from the following (within 50 words): 2 × 10

11. What do you mean by 'Rural-Urban Fringe' ? 2
12. What is 'Ad-hoc Region' ? 2
13. Write the characteristics of Geo-stationary satellite. 2
14. What is the disadvantage of under population ? 2
15. What are the measure of Index of HDI. 2
16. What is the gender related development index ? 2

17. Define with example the break-of-bulk towns. 2
  18. What is a primate city? 2
  19. Define a nodal region. 2
  20. What are the uses of sun-synchronous satellites? 2
  21. What do you mean by Green city? 2
  22. Distinguish between radio metric and temporal resolution. 2
  23. What is the significance of false colour in RS? 2
  24. Mention the band composition of standard FCC. 2
  25. Write down the disadvantages of short wave remote sensing. 2
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