

MAY 2016

**P/ID 4416/PGEG**

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Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions not exceeding 50 words each.

Write short notes on the following

1. Spatial data
2. Information system
3. Intranet
4. Database
5. TIN
6. Boolean operation
7. GPS
8. Sensors
9. IRS
10. Focal Length.

PART B — (5 × 6 = 30 marks)

Answer ALL questions not exceeding 250 words each.

11. (a) Describe geographic coordinate systems.

Or

- (b) Explain the software components of information system.

12. (a) Explain the components of extranet.

Or

- (b) Describe geodatabase.

13. (a) What are the spatial data components?

Or

- (b) Explain map compilation.

14. (a) Describe the components of GPS.

Or

- (b) What are the major components of remote sensing?

15. (a) Explain the remote sensing applications in forest fire mapping.

Or

- (b) What is an aerial photograph? - explain in detail.

PART C — (5 × 10 = 50 marks)

Answer ALL questions not exceeding 500 words each.

16. (a) Describe Geo-coding principles.  
Or  
(b) Write a short note on IT on Remote sensing.
17. (a) Discuss the role of net working technology in GIS.  
Or  
(b) Write a short note on Cartography.
18. (a) Explain TIN and its application with illustration.  
Or  
(b) Write an essay on buffer analysis with example.
19. (a) Write an essay on principles of GPS.  
Or  
(b) Give a brief account on various remotely sensed data products.
20. (a) Write an essay on image interpretation techniques.  
Or  
(b) Discuss the application of radar remote sensing in resource development.