

2018

17

GEOGRAPHY – HONOURS

Paper : CC-2

[Cartographic Techniques]

Full Marks : 50

The figures in the margin indicate full marks.

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

Group - A

Answer *any five* questions (each within 50 words) :

2×5

1. What are cadastral maps?
2. Make a statement scale in metric system given Representative Fraction = 1 : 250,000
3. Define the least count of a Vernier scale.
4. Find the cartesian coordinates of a point P when its polar coordinates are (10, 60°).
5. Define a 'generating globe'.
6. What is the dimension of polar flattening according to WGS-84?
7. Why are spheres drawn to represent urban population?

Group - B

Answer *any four* questions (each within 150 words) :

5×4

8. Distinguish between Polar and Cartesian coordinate systems.
9. Convert the following whole circle bearings into reduced quadrantal bearings :
(i) 356°45' (ii) 190°15' (iii) 100°38'
(iv) 89°05' (v) 269°32'
10. What are True North and Magnetic North? What is the angle between these two called? Use a diagram if necessary.
11. Explain the numbering of zones in the Universal Transverse Mercator grid system.

Please Turn Over

12. What are the merits and demerits of dot method for representation of data?
13. What are the information given along the margins of a toposheet?

Group - C

Answer *any two* of the following questions (each within 500 words) :

14. Describe the components of a map with the help of a diagram. 10
 15. Describe the uses of different types of thematic maps. 10
 16. Define scale. What are the different methods of representing scale? Explain the merits and demerits of different types of graphical scale. 2+3+5
 17. Classify projections with examples. 10
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