

14. Large scale maps have smaller values of denominator in R.F. and vice versa — Explain. 2
15. What do you mean by Geoid ? 2
16. What do you mean by Interpolation of contours ? 2

GROUP—C

2017  
GEOGRAPHY

( Cartographic Technique )

[ Honours ]

( CBCS )

[ First Semester ]

PAPER — C2T

Full Marks : 40

Time : 2 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*

GROUP—A

Answer any **one** question from the following within 800 words : 10 × 1

1. What are conventional projections ? Justify why any straight line joining two points in Gnomonic projection is considered as part of great circle.

What map projection would you choose for trans-polar flight and why? 2 + 6 + 2

2. Classify maps and describe their characteristics. State why ratio scale has got the universal applicability. 2 + 6 + 2

GROUP - B

Answer any four questions from the following within 400 words : 5 x 4

- 3. What is the principle of UTM projection ? Write about applications of UTM projection. 2 + 3
- 4. Discuss the connotation of the symbols that use for the letters and digits in the SOI topographical sheets. 5
- 5. Explain how WCB and RB can be converted from one to the other. Which type of survey considers curvature of the earth and why? 3 + 2
- 6. Mention the uses of Abney level and clinometer.  $2\frac{1}{2} + 2\frac{1}{2}$

7. Why is the geographic coordinate system necessary? 5

8. Differentiate generating globe from developable surface. What is the constant of cone? 3 + 2

GROUP - C

Answer any five questions from the following within 150 words : 2 x 5

- 9. Define standard parallel. 2
- 10. What are the advantages of a graphical scale? 2
- 11. What is meant by Aphyllactic projection? 2
- 12. Why are both face left and face right readings taken in Theodolite Survey? 2
- 13. State the different series of toposheets in Metric Scale published by the Survey of India. Give example. 2