



**WEST BENGAL STATE UNIVERSITY**  
B.A./B.Sc. Honours 2nd Semester Examination, 2019

**GEOACOR04T-GEOGRAPHY (CC4)**

Time Allotted: 2 Hours

Full Marks: 40



*The figures in the margin indicate full marks.  
Candidates should answer in their own words and adhere to the word limit as practicable.  
All symbols are of usual significance.*

**GROUP-A**

**Answer any one question from the following**

10×1 = 10

1. Explain the construction principles of Dots and Spheres to represent rural and urban populations. Why is urban population shown by sphere? 7+3 = 10
2. What is magnetic bearing? Describe the systems to designate reduced bearing with necessary diagrams. 2+8 = 10

**GROUP-B**

**Answer any four questions from the following**

5×4 = 20

3. What is scientific notation? Convert 676,000,000 and 0.00005278 into scientific notations. 3+2 = 5
4. Mention the difference between natural and log scales. Represent both graphically. 2+3 = 5
5. Describe the use of choropleth mapping in representing socio-economic data. 5
6. How do we represent land use land cover data using maps and diagrams? 5
7. Find logarithm values of .00752 and 6952.4. 5
8. Convert the following Whole circle bearing to Quadrantal bearing with the help of a diagram. 5
  - (a) WCB of AB = 45°30'
  - (b) WCB of BC = 125°45'
  - (c) WCB of CD = 222°15'
  - (d) WCB of DE = 320°30'

9. Describe in brief the collimation and rise and fall systems of calculating reduced level with examples.

5

**GROUP-C**

**Answer any five questions from the following**

2×5 = 10

10. What is meant by mounding?
11. What is local attraction in case of prismatic compass survey?
12. What is meant by vernier constant?
13. What is the difference between angle and bearing?
14. With example mention the use of line graphs in representing socio-economic data.
15. What do you mean by collimation level and bench mark?
16. What is the function of upper plate in Theodolite?
17. Differentiate between proportional circle and pie graphs.
18. Define Traversing.

—x—