2020

GEOGRAPHY (Honours)

Paper : GEOH DC-2A

(Cartographic Techniques)

(CBCS)

Full Marks : 25 Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Section - I

Answer any *one* question : 10×1=10

1. Describe the basic properties of map projection. Why is cylindrical equal-area projection called equal area? Define standard parallel. 5+3+2

2. Distinguish between the true bearing and magnetic bearing. Describe the functions of different accessories required for closed traverse survey by prismatic compass. Write the significance of collimation line. 3+5+2

Section - II

Answer any *three* questions : 5×3=15

3. Give an old layout of Indian Topographical maps on a metric scale. 5

4. What are the types of benchmarks that you know of? How is the level centred in a Dumpy level? 3+2

5. What is a closing error? How can local attraction be corrected in case of close traverse survey by prismatic compass? 2+3

6. Why RF scale is called the universal scale? What is the vernier constant? Why the diagonal scale is named as diagonal? 2+2+1

7. What is a geographical coordinate? What are the significances of UTM projection? 2+3

8. What is the difference between small and large scale map? What are the advantages and disadvantages of the statement scale? 2+3