

UG/1st Sem/H/20(CBCS)

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
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