

**U.G. 1st Semester Examination - 2023****GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-02****[Old CBCS Syllabus]**

Full Marks : 40

Time :  $2\frac{1}{2}$  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.*

1. Answer any five questions from the following:

 $2 \times 5 = 10$ 

- a) Differentiate *hade* from *heave*.
- b) Write two identifying characteristics of sandstone.
- c) Bringout the significance of UTM.
- d) Distinguish between perspective and non-perspective projections.
- e) What is *generating globe*?
- f) What is *graticules*?
- g) What is *vernier constant*?
- h) Define true dip.

*[Turn over]*

2. Answer any two questions from the following:

5×2=10

- a) Differentiate the *geoid* from the *spheroid*.
- b) State the concepts of *bed* and *bedding plane*.
- c) State about false easting and northing in UTM.
- d) Highlight the distinctive features of open series toposheet of SOI.

3. Answer any two questions from the following:

10×2=20

- a) Give a detailed account of reference scheme of old and open series topographical maps (SOI) with necessary illustration.
  - b) Enunciate the properties and uses of Polar and Rectangular coordinate systems. 10
  - c) Give an account on classification of maps with suitable examples. 10
  - d) Discuss the concept of Cartography and Communication and state about the ethics in Cartography. 6+4=10
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