

**U.G. 1st Semester Examination - 2019****GEOGRAPHY****[HONOURS]****Course Code : GEO(H)CC-02-T**

Full Marks : 40

Time : 2½ 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 followings:

2×5=10

- a) What is *vernier constant*?
- b) Write two characteristics of Granite.
- c) What do you mean by *isoline map*?
- d) Differentiate *hade* from *heave*.
- e) What do you understand by *line of unconformity*?
- f) Differentiate polar from rectangular coordinate.
- g) Mention two utilities of R.F.
- h) What is Galena?

*[Turn Over]*

2. Answer any **two** questions from the followings:

5×2=10

- a) Mention the major characteristics of gnomonic projection.
- b) State the influence of modern technology on the development of cartography.
- c) How would you determine the thickness of bed from a geological map?
- d) Identity two merits and two demerits of UTM projection.

3. Answer any **two** questions from the followings:

10×2=20

- a) Elucidate the reference scheme of old and open series topographical sheets of SOI.
- b) Compare the construction and use of linear, comparative and diagonal scales.
- c) Describe the components of a thematic map with suitable examples highlighting their significances.
- d) Bring out the concept of Geoid and Spheroid with their applications in modern Cartography.