

UG/1-Sem/H/19

2019

## GEOGRAPHY

(Honours)

Paper : GEOH - DC-2A

[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.*

Answer any *one* of the following questions :

10×1=10

1. Make a brief discussion on Geographic Co-ordinate Reference System (GCRS) and Projected Coordinate Reference System (PCRS). How does the Universal Transverse Mercator (UTM) Work ? 5+5=10
2. Differentiate between "Surveying" and "Levelling". Give the field procedures of levelling and make salient observations on the same. 4+6=10

P.T.O.

( 2 )

Answer any *three* questions:  $5 \times 3 = 15$

3. Define the term Vernier Constant. State the situations and instruments in which Vernier scale is mostly used.

$2\frac{1}{2} + 2\frac{1}{2} = 5$

4. Make a short note on "Geoid" and "Spheroid". 5

5. Why the graduations inscribed on the dial of the Prismatic Compass are inverted? 5

6. Make a comparative analysis of whole Circle Bearing System and Quadrantal Bearing System. 5

7. Give a detailed layout of Survey of India published Topographical Maps (Before 1990) on a metric system. 5

8. What is magnetic declination? How it is related with bearing of a line?  $2\frac{1}{2} + 2\frac{1}{2} = 5$
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