3 SEM TDC GGRH (CBCS) C 5

2024

(Nov/Dec)

GEOGRAPHY

(Core)

Paper : C–5

(Cartography)

Full Marks : 53
Pass Marks : 21

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following as directed : 1×5=5

   (a) Name the ancient Greek scholar who is known as the father of all map projections.

   (b) 'Graticule' is the network of parallels and _____.

   (Fill in the blank)

   (c) 'Levelling' is used to find the height of points on the earth surface.

   (Write True or False)

(*Turn Over*)

(d) In cylindrical map projection, the length of all parallels are equal.

(Write True or False)

(e) In 'plane surveying', the surface of the earth in considered as _____.

(Fill in the blank)

2. Write short notes on the following :   4×3=12

(a) Conical map projection

(b) Geodetic surveying

(c) Open traverse survey

3. What is map projection? Discuss on the choice of map projection with suitable examples.   3+9=12

4. What is surveying? Mention the instruments used in plane table surveying. Discuss the 'radiation method' of plane table surveying with suitable diagram.   2+2+5+3=12

(Continued)

5. What is closed traverse survey? In a prismatic compass survey, the fore bearings and the back bearings of the lines are taken as shown in the table given below. Find the included angles of the traverse :   2+10=12

Line	Fore Bearing	Back Bearing
AB	45°15′	225°15′
BC	123°15′	303°15′
CD	181°00′	1°00′
DA	289°30′	109°30′

Or

What is levelling? Give an account of the different types of levelling with suitable diagram.   2+10=12

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