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3 SEM TDC GGRH (CBCS) C 5

2025

(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) Which is the most common group of projections suitable for the map of India?

(b) All equal area projections are the perspective projections.

(Write True or False)

(2)

(c) In all the _____ projections, direction from the centre to any point is correct.

(Fill in the blank)

(d) Alidade is used in _____ surveying.

(Fill in the blank)

(e) The line of collimation is also called the line of sight.

(Write True or False)

2. Write short notes on the following : $3 \times 4 = 12$

(a) Mercator's projection

(b) Non-perspective group of projection

(c) Closed- and open-traverse survey

(d) Temporary adjustment of theodolite

3. Discuss the history of development of map projection mentioning the important contributions of different scholars. 12

4. What is plane table surveying? Discuss the methods of plane table surveying. $2 + 10 = 12$

(3)

5. Define surveying. Discuss about the horizontal and vertical control of surveying methods. $2 + 5 + 5 = 12$

Or

In running a closed traverse survey given below, the length and bearing of the line *DA* could not be measured due to the presence of some obstructions between *A* and *D*. Calculate the length and bearing of the line *DA* : $6 + 6 = 12$

Line	Length (in metre)	Bearing
<i>AB</i>	38	$215^\circ 30'$
<i>BC</i>	55	$164^\circ 45'$
<i>CD</i>	85	$35^\circ 0'$
<i>DA</i>	—	—

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