

B.Sc. (Honours) Part: II Examination 2020**Subject: Geography (Honours) Practical****Fourth Paper (Group - B) Full Marks: 25 Time: 2 Hours***The figures in the margin indicate full marks.***Module - 8: Map interpretation and Survey with instruments**

1. Table No. 1 represents the grid-wise (2 centimetres X 2 centimetres grid from Topographical Map with R.F. 1:50000, Survey of India) data of the highest and lowest elevations in metre, mentioning the respective grid numbers (Total Number of grid 25). Prepare a table to calculate Relative Relief and draw an Isopleth Map. 3+7

Table No. 1

Grid No.	Highest Elevation (Metres)	Lowest Elevation (Metres)	Grid No.	Highest Elevation (Metres)	Lowest Elevation (Metres)
A ₁	300	180	C ₄	200	120
A ₂	260	100	C ₅	160	100
A ₃	220	110	D ₁	180	120
A ₄	240	100	D ₂	140	90
A ₅	210	120	D ₃	120	80
B ₁	180	80	D ₄	80	60
B ₂	160	70	D ₅	60	50
B ₃	220	160	E ₁	80	40
B ₄	210	140	E ₂	70	50
B ₅	160	100	E ₃	60	40
C ₁	150	70	E ₄	80	60
C ₂	180	100	E ₅	60	50
C ₃	140	80			

2. The following Magnetic Bearings (Table No. 2) were obtained by a Prismatic Compass during a Closed Traverse Survey of a four sided figure 'ABCD'. Enter the readings in a Field Book. Plot the Traverse with Corrected Magnetic Bearings and adjust the Closing Error graphically by Bowditch's Method. 1+4+8+2

Table No. 2

Line	Length (Metres)	Observed Magnetic Bearing	
		Forward	Backward
AB	12	296°	115°
BC	10	8°	185°
CD	12	117°	301°
DA	10	185°	7°

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