

2020

**GEOGRAPHY — HONOURS — PRACTICAL****Paper : CC-1P****(Geotectonics and Geomorphology Lab)****Full Marks : 30***The figures in the margin indicate full marks.*

1. (a) Calculate the strike direction and amount in reduced bearing if dip amount is  $27^\circ$  from NNE to SSW.  
 (b) What are the principal differences between rocks and minerals? State any two criteria for the identification of gypsum, limestone and phyllite. 2+(2+2+2+2)
2. (a) Calculate relative relief and draw at least three isopleth lines with the help of the following relief data plotted in a 10cm × 12cm grid (to be drawn in a plain paper as shown in page 3). Interpret the map. 2+6+2

Sl. No.	GRID ID	MAXIMUM ELEVATION (m)	MINIMUM ELEVATION (m)
1	A1	580	500
2	A2	600	480
3	A3	560	460
4	A4	620	420
5	A5	500	360
6	A6	480	360
7	B1	640	460
8	B2	623	440
9	B3	580	460
10	B4	625	440
11	B5	480	340
12	B6	500	360
13	C1	600	460
14	C2	580	400
15	C3	520	360
16	C4	520	320
17	C5	460	320
18	C6	460	340
19	D1	640	500
20	D2	620	400
21	D3	480	320

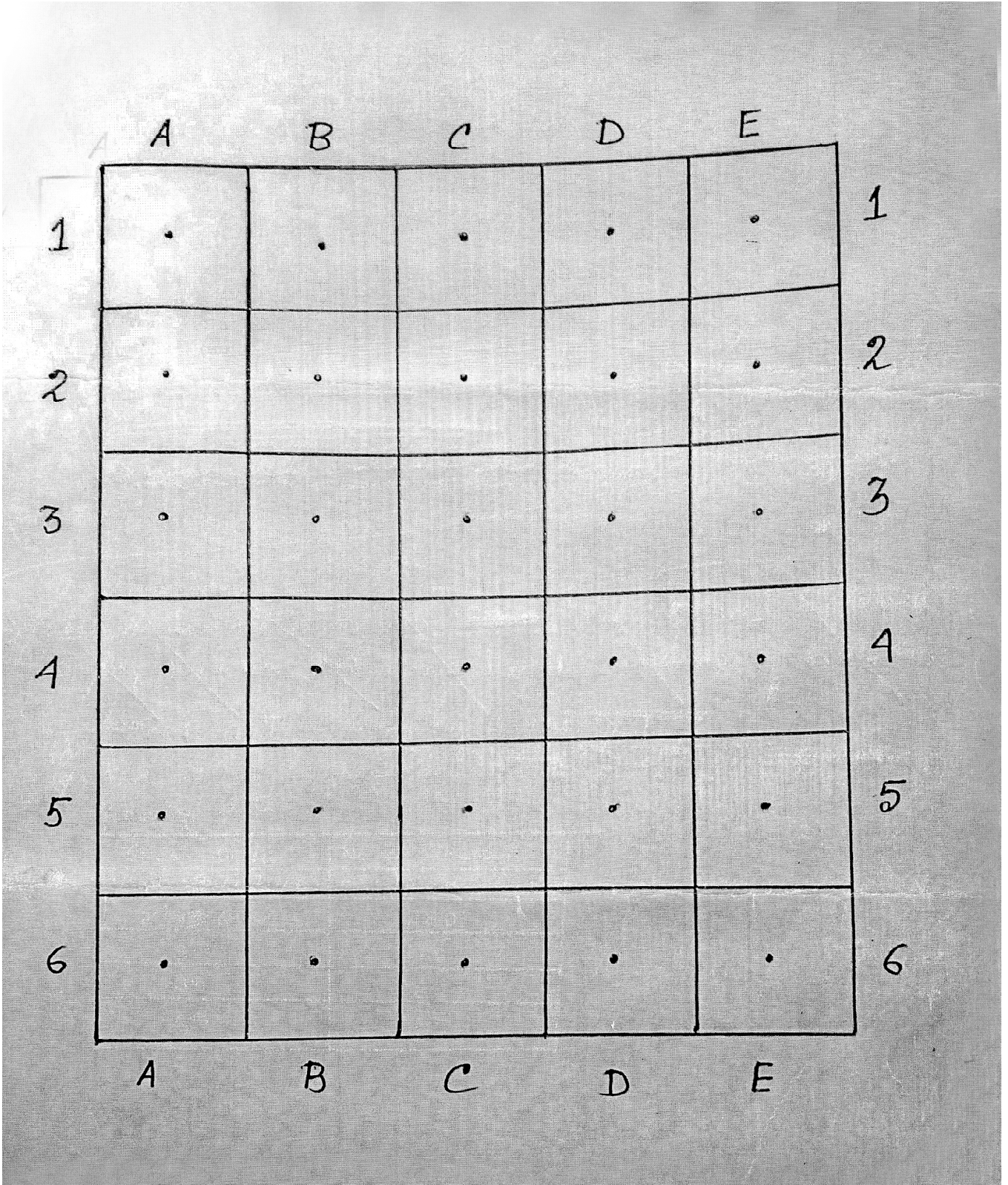
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22	D4	400	294
23	D5	400	300
24	D6	472	320
25	E1	620	480
26	E2	540	400
27	E3	460	340
28	E4	380	300
29	E5	400	300
30	E6	440	320

- (b) State the difference between composite and projected profiles. 2
- (c) State the formula of hypsometric integral. 1
- (d) Find out the bifurcation ratio of Desupa River from the following data. 2

<b>Stream order</b>	<b>No. of Streams</b>
1st	400
2nd	230
3rd	110
4th	6
5th	1

3. Laboratory Notebook.



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**2020**

**GEOGRAPHY — HONOURS — PRACTICAL**

**Paper : CC-2P**

**Full Marks : 30**

*The figures in the margin indicate full marks.*

1. (a) Draw a diagonal scale to read 5650 km based on R.F. 1 : 70,000,000.  
(b) Draw graticules on Cylindrical Equal Area Projection for an area bounded by 40°N to 40°S and 20°W to 40°E at an interval of 10°. The R.F. of the generating globe is 1 : 60,000,00. 5+10
2. Draw Divided Proportional Circles to show the land use pattern in the selected C.D. Blocks of Nadia district. Interpret the diagrams (Map not required). 8+2

[Area in hectares]

Sl.No.	Name of C.D. Block	Net Sown Area	Current Fallow	Area under Forest
1	Nabadwip	34649	4271	2132
2	Haringhata	46142	6434	3125

3. Evaluation of Laboratory Notebook.

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