

2021

GEOGRAPHY — HONOURS — PRACTICAL

Paper : DSE-A-1P

(Fluvial Geomorphology)

Full Marks : 30

The figures in the margin indicate full marks.

1. (a) Explain with diagram dendritic, trellis and radial pattern of drainage in relation to rock structure.
(b) Explain the method of calculation of sinuosity index.
(c) Discuss in detail the steps for construction of long profile of a river from a topographical sheet of plateau region. 3+3+3
2. Draw a hydrograph of the Rimasu River based on the given data and interpret its pattern. 6+2

Year	Discharge (cumec)	Year	Discharge (cumec)
2002	940	2009	1025
2003	1560	2010	778
2004	758	2011	894
2005	890	2012	925
2006	1210	2013	936
2007	1587	2014	1056
2008	956	2015	997

3. Determine the roundness index (R) and the roundness index in percent on the basis of the table given below and classify them accordingly. 2+2+2+2

Sample ID	Long Axis in cm	Short Axis in cm	Intermediate Axis in cm	Smallest Radius in cm
A	3.26	2.70	5.50	0.73
B	2.25	1.69	2.90	0.60
C	1.31	0.82	1.90	0.39
D	1.72	1.18	2.50	0.43

4. Evaluation of Laboratory notebook. 5

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GEOGRAPHY — HONOURS — PRACTICAL

Paper : DSE-A-2P

(Climate Change : Vulnerability and Adaptations)

Full Marks : 30

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1. The following table shows the maximum and minimum temperatures recorded in Malda District during 2009-2018.
- Draw a graph with the given data.
 - Analyse the trend with the help of 3-year moving average.
 - Interpret the graph.

7+6+2

Year	Temperature Max. (°C)	Temperature Min. (°C)
2009	43	16
2010	44	15
2011	38	14
2012	41	15
2013	39	13
2014	41	14
2015	40	16
2016	42	16
2017	40	17
2018	38	16

(3)

*V(5th Sm.)-Geography-H/Pr./DSE-A-1P, 2P/
DSE-B-1P, 2P/CBCS*

2. Compare the annual variability of rainfall of the stations **P** and **Q** with the help of coefficient of variation.
Which station shows more consistent rainfall? 9+1

Year	Annual Rainfall (mm)	
	P	Q
2000	1907.7	304.5
2001	1556.6	402.0
2002	1629.1	175.6
2003	1526.7	479.6
2004	1612.9	377.8
2005	1650.1	393.2
2006	1631.4	537.6
2007	2007.5	425.1
2008	1560.1	466.2
2009	1317.2	272.9

3. Evaluation of Laboratory Notebook. 5
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GEOGRAPHY — HONOURS — PRACTICAL

Paper : DSE-B-1P

(Cultural and Settlement Geography)

Full Marks : 30

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[Representative diagrams are to be made without map.]

1. Draw proportional squares to represent household distribution in the CD blocks of Bankura district, West Bengal. Interpret the diagram. 13+2

SI No.	Name of CD Block	Total Number of Households (2011)
1	Khatra	29,257
2	Indpur	39,130
3	Hirbandh	20,958
4	Ranibandh	29,772
5	Raipur	42,844
6	Sarenga	26,702
7	Simlapal	35,759
8	Taldangra	36,973
9	Bishnupur	39,205
10	Joypur	39,230
11	Sonamukhi	39,674
12	Onda	63,246

2. Show the spatial distribution of some selected languages in selected states of India from the following table using a suitable technique. Interpret it. 8+2

States	Language A	Language B	Language C
State I	3,531	14,856	1,239,037
State II	193,625	2,371,743	14,481,513
State III	2,255	4,710	51,928
State IV	9,343	12,176	383,380
State V	15,576	41,371	6,356,059

3. Evaluation of Laboratory Notebook.

2021**GEOGRAPHY — HONOURS — PRACTICAL****Paper : DSE-B-2P****(Social Geography)****Full Marks : 30***The figures in the margin indicate full marks.*

[Representative diagrams are to be made without maps]

1. Prepare cartograms to show distribution of religion for the selected states of India on the basis of the data provided in the Table below. Interpret the map. 8+2

State	Hindu	Muslim	Sikh
Jammu & Kashmir	2,956,528	6,743,823	205,426
Punjab	8,972,466	3,81,342	14,551,717
Jharkhand	18,451,795	3,726,956	83,419

2. (a) Draw a suitable cartogram to represent total number of beds available for patients in different categories of hospitals of selected districts of West Bengal. 8

DISTRICTS	TOTAL NUMBER OF BEDS AVAILABLE		
	Medical College Hospitals	Rural Hospitals	Private Hospitals
Murshidabad	1,157	580	2,360
Paschim Medinipur	771	695	1,487

- (b) Prepare a checklist for Social Impact Assessment for introducing Higher Secondary Schools in different villages of India. 7
3. Evaluation of Laboratory Notebook. 5
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