

UG/3rd Sem/H/20(CBCS)

2020

GEOGRAPHY (Honours)

Paper : GEOH DC-5A

(CBCS)

Full Marks : 25

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *one* question of the following : $10 \times 1 = 10$

1. Analyse the factors effecting atmospheric insolation process. Estimate and explain incoming atmospheric heat budget. What is greenhouse effect? 4+4+2
2. Explain the mechanism of formation of precipitation condition according to Bergeron-Findeisen. Compare relative humidity with absolute humidity. 8+2

Group - B

Answer any *three* questions of the following : $5 \times 3 = 15$

3. Explain the process of Ozone layer formation. What is Ozone depletion? 3+2
4. Distinguish between the process of frontogenesis and frontolysis. What is Chinook? 4+1
5. Construct relationship between normal lapse rate and adiabatic lapse rate. 5

6. Write the merits and demerits of Koeppens's scheme of climatic classification. 5
 7. Discuss the development of a tropical cyclone. 5
 8. Discuss the effect of monsoon on Indian climate. 5
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UG/3rd Sem/H/20(CBCS)

2020

GEOGRAPHY (Honours)

Paper : GEOH DC-6A

CBCS

Full Marks : 25

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *one* question of the following : 10×1=10

1. Define Population & Sampling terms used in the science of statistics. Write about two merits & demerits of Sampling. Write about difference between Stratified and Cluster Sampling. 3+2+5
2. What do you know about correlation in statistics? Discuss about the various types of correlation. Write difference between correlation coefficient & coefficient of regression. 2+5+3

Group - B

Answer any *three* questions of the following : 5×3=15

3. What do you mean by dispersion of a frequency distribution? Define some of the common measures of dispersion. 1+4
4. Write about the significance and necessity of the analysis of Time-Series data. 5
5. What do you know about measure of central tendency. Define Quartiles and discuss its significance. 1+4

6. What is data? Write about major differences between primary data and secondary data. 2+3
 7. Write about major merits and demerits of Ogive curves. Give an example of each Univariate data and Bivariate data. 4+1
 8. Write about major differences between variance and co-efficient of variation with examples. 5
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UGB Semester-III (CBCS) H/ Pr/ 2020 (N)

2020

Geography (H)

Paper DC5B, DC6B, & DC7B

(Practical)

Full Marks: 45

Time: Four Hours

The figures in the margin indicate full marks

DC5B

1. . Write down the steps of measuring the relative humidity from the hygrometer? calculate relative humidity based on the following table. 3+2 = 5

Dry-bulb temperature (°C)	Wet-bulb temperature (°C)
31.7	24.5

2. What is the function of rain gauge? 1
3. What is the purpose of using maximum and minimum thermometer? 2
4. Identify the season of the given weather Map by giving a proper explanation? 2
5. What do you mean by Trough and Ridge in atmospheric condition? 2
6. What is the full form of IMD? 1
7. Laboratory notebook and Viva-voce 2

DC6B

8. Define variable. What is the difference between continuous variable and discrete variable? 1+2 =3
9. Find out the median from the following data. 2
- 12, 11, 9, 8, 7, 14, 23, 15, 21, 45, 54, 32, 22, 16, 19, 32, 24, 14, 19, 16, 23, 22, 33
10. Which of the following measures of central tendency is not influenced by extreme values in the data set? I) Mean, II) Median 1
11. From the frequency distribution table (Table-1) calculate mid values and relative frequency. Draw frequency polygon taking mid values at X-axis. 2+2+3=7
12. Laboratory notebook and Viva-voce 2

Table-1: Weekly salary of 140 workers

weekly wages (\$)	No of workers
1-10	15
10-20	35
20-30	56
30-40	23
40-50	9
50-60	2

DC7B

13. Draw a climograph (after Taylor) based on the following data and interpret the nature of climate with respect to human comforts 4+2

Table 2: Monthly temp and humidity of Malda, 2011

Month	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Temp (°F)	66.8	67.8	70.9	78.8	82.0	85.5	82.8	83.0	80.2	77.9	67.8	66.9
RH %	40	44	38	39	57	79	86	80	77	78	49	48

14. Mention the use of ergograph. 2
15. Write down the characteristics of the following rocks and minerals:
Calcite, feldspar, granite 5
16. Laboratory notebook and Viva voce 2

Links for answer script submission: <https://forms.gle/tawkMLupuo2368Di9>

Note: In case of facing problem with the following link send to the mail id:
gmgeographyexam@gmail.com

Dry Bulb (°C)	Number of degrees difference between the wet- and dry-bulb readings (°C)									
	1	2	3	4	5	6	7	8	9	10
10	88%	77	66	56	45	35	26	16	7	--
11	89	78	67	57	47	38	28	19	11	2
12	89	79	68	59	49	40	31	22	14	5
13	89	79	69	60	51	42	33	25	16	9
14	90	80	70	61	52	43	35	27	19	11
15	90	80	71	62	54	45	37	29	22	14
16	90	81	72	63	55	47	39	31	24	17
17	91	82	73	64	56	48	41	33	26	19
18	91	82	73	65	57	50	42	35	28	21
19	91	82	74	66	58	51	44	37	30	24
20	91	83	75	67	59	52	45	38	32	26
21	91	83	75	68	60	53	47	40	34	27
22	92	84	76	69	61	54	48	41	35	29
23	92	84	77	69	62	56	49	43	37	31
24	92	84	77	70	63	57	50	44	38	32
25	92	85	77	71	64	57	51	45	40	34
26	92	85	78	71	65	58	52	46	41	35
27	93	85	78	72	65	59	53	47	42	37
28	93	86	79	72	66	60	54	49	43	38
29	93	86	79	73	67	61	55	50	44	39
30	93	86	80	73	67	61	56	50	45	40
31	93	86	80	74	68	62	57	51	46	41
32	93	87	80	74	68	63	57	52	47	42
33	93	87	81	75	69	63	58	53	48	43
34	93	87	81	75	69	64	59	54	49	44

