

2021

GEOGRAPHY — HONOURS — PRACTICAL**Paper : DSE-A-3P****(Environmental Issues in Geography)****Full Marks : 30***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Prepare a questionnaire on the perception of people about the environmental pollution caused by a factory in your locality with both close and open ended questions. 10
2. How do you collect soil sample from the field and estimate proportion of organic carbon in it using a field kit? Describe the methodology. 10
3. Interpret the following changes in air quality. Diagram not necessary. 5

Stations in Kolkata	AQI on 5/01/2021	Prominent Pollutant	AQI on 5/05/2020	Prominent Pollutant
Fort William	223	PM 2.5	45	PM 10
Jadavpur	260	PM 2.5	34	PM 10
Rabindra Bharati	315	PM 2.5	33	PM 10
Rabindra Sarobar	207	PM 2.5	31	PM 10
Victoria Memorial	240	PM 2.5	34	PM 10
Beliaghata	167	PM 10	23	PM 10
Shyambazar	228	PM 2.5	42	PM 10
Tollygunj	112	PM 10	25	PM 10

4. Laboratory notebook.

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GEOGRAPHY — HONOURS — PRACTICAL**Paper : DSE-A-4P****(Resource Geography)****Full Marks : 30***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*Answer *All* questions.

1. Compute the HDI values for the given states of India and represent with a suitable cartogram. Interpret it. 10+5

Sl No.	Names of the States	Life expectancy at birth (years)	Mean years of schooling (years)	Average years of schooling	Income per capita (PPP 2008 \$)
1	Punjab	69.4	5.12	9.80	4885.12
2	Kerala	74.0	6.19	11.33	5262.89
3	Himachal Pradesh	67.0	4.88	11.05	4168.39

Source : NSS Data on educational status and training in India (Gol 2006b)

2. Show the decadal change in Statewise production of iron ore in selected districts of India. 10

Sl. No.	States	2009-10	2018-19
1	Jharkhand	22547	23433
2	Chhattishgarh	26211	34945
3	Goa	38133	40135
4	Karnataka	43168	29796
5	Orissa	80896	113055

Source : Indian Mineral Year Book

3. Evaluation of Laboratory Notebook. 5

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GEOGRAPHY — HONOURS — PRACTICAL**Paper : DSE-B-7P****(Urban Geography)****Full Marks : 30***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words
as far as practicable.*

1. Compute and draw Rank Size Distribution for the given urban centres of Jharkhand in India, 2011 and interpret it. 8+2

Table - 1

Sl. No.	Name of the towns	Urban Population
1	Bilaspur	3,31,030
2	Raipur	15,70,087
3	Bhilai	10,03,406
4	Korba	3,65,253
5	Dhamtari	7,88,781
6	Chirmiri	1,03,575
7	Ambikapur	1,14,575
8	Rajnandgaon	1,63,122
9	Raigarh	1,50,019
10	Jagdapur	1,25,463

2. A. Draw Bar Diagrams to show the trend of urbanization of selected States of India in 2001 and 2011. Interpret the diagrams. 8+2

Table - 2

Sl. No.	Name of the States	2001	2011
1	Arunachal Pradesh	2,28,451	3,17,009
2	Manipur	5,76,238	8,34,771
3	Sikkim	60,311	1,54,190
4	Meghalaya	4,54,205	5,95,123
5	Mizoram	4,41,129	5,72,241
6	Nagaland	3,43,001	5,71,388
7	Tripura	5,46,400	9,61,552

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B. Table no. 3 showing the urban growth of West Bengal in different census years. Using the data provided in table no. 3.

(i) Draw a time series graph and interpret it.

(ii) Compute and draw the trend by semi average method.

(2+1)+2

Table - 3

Year	Urban Population (in thousands)
1951	6282
1961	8541
1971	10967
1981	14447
1991	18708
2001	22427
2011	29093

3. viva voce based on Laboratory notebook.

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GEOGRAPHY — HONOURS — PRACTICAL**Paper : DSE-B-8P****(Geography of India)****Full Marks : 30***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Comment on the crop combination of Nadia district using Weaver's crop combination method on the given data (area of various crops in hectares) of 2013-14. 8+2

BLOCKS	PADDY	WHEAT	JUTE	PULSES	OILSEEDS	POTATO	SUGARCANE
Karimpur-I	3930	8268	14127	4449	4636	-	-
Karimpur-II	3783	6324	10323	946	5606	70	3
Tehatta-I	6022	6231	10868	7664	10443	85	-
Tehatta-II	6861	3896	9792	5639	5175	181	94
Kaliganj	22171	2923	8428	4485	4812	251	1784
Nakashipara	21474	2712	13416	1343	3994	2564	-
Chapra	39786	871	7489	3251	10892	25	-
Krishnaganj	3408	415	3808	1316	3937	40	-

2. Rank the following States and comment on the status of development of the given states using composite index. 8+2

States	PER CAPITA INCOME (₹) (2011)	ROAD LENGTH (Km) (2011)	FEMALE LITERACY RATE (%) (2011)	FERTILITY RATE (Live births per 1000 women of age 15-49 years) (2011)
ANDHRA PRADESH	42710	238001	59.74	60.7
KERALA	53427	201220	91.98	54.2
WEST BENGAL	34229	299209	71.16	57.9
BIHAR	15268	130642	53.33	114.4
UTTAR PRADESH	18103	390256	59.26	109.3
MAHARASHTRA	95339	410521	75.48	61.6
RAJASTHAN	53735	241318	52.66	102.1
MADHYA PRADESH	37994	197293	60.02	103.4

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3. Draw the following temperature and rainfall data of Station A :

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Month	Average Temperature (in °C)	Rainfall (in mm)
Jan	16.6	3
Feb	19.9	5
March	25.6	2
Apr	31.1	3
May	34.0	5
June	33.4	27
July	30.3	122
Aug	28.2	105
Sep	29.3	42
Oct	28.1	8
Nov	22.9	1
Dec	18.1	0

4. Evaluation of Laboratory Notebook.

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