

UG/5th Sem (H)/Pr/22/(CBCS)

2022

GEOGRAPHY (Honours)

Paper Code : DC-11B

(Soil & Bio Geography)

(Practical)

Set - II

Full Marks : 15

Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt all the questions.

1. (a) What are the importance of NPK available in soil for plant growth and development. 2
- (b) Write down the steps for soil particle size analysis by Hand Seiving. 3
2. Table No. 1 shows data of Black Beak Pllican bird at Bharatput Bird Sanctuary from 2001-2014.
 - (a) Compute and draw the trend by 4 years moving average.
 - (b) Comments on it. 2+4+1=7

P.T.O.

(2)

Table No - 1

Data of Black Beak Pelican Bird at Bharatpur Bird Sanctuary

Year	Bird No.	Years	Bird No.
2001	1810	2008	6200
2002	2044	2009	6840
2003	2812	2010	7020
2004	5100	2011	7430
2005	6320	2012	7640
2006	6960	2013	8020
2007	5910	2014	8614

3. Laboratory note book and viva-voce.

1.5+1.5=3

UG/5th Sem (H)/Pr/22/(CBCS)

2022

GEOGRAPHY (Honours)

Paper Code : DC-12B

(Hydrology and Oceanography)

(Practical)

Set - II

Full Marks : 15

Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt all the questions.

1. Draw an annual hydrograph using given data (Table 1) and interpret it. 4+1=5

Table 1 : Monthly discharge of Kuya river

Months	Volume of discharge in cumec
January	1.56
February	1.23
March	0.92
April	0.42
May	0.28
June	3.68
July	12.34
August	25.47
September	44.56
October	3.53
November	2.31
December	2.12

Source : Gauged from Kamalakantapur, Kuya River

P.T.O.

2. Draw a Temperature-Salinity diagram using following data (Table 2) and interpret it. 5+2=7

Table 2 : Temperature and salinity conditions of Western Pacific Ocean

Temperature (°C)	Salinity (PSU)
28	34.6
26	34.7
25	34.8
22	34.9
20	34.95
18	34.8
16	34.5
14	34.4
10	34.3
7	34.2
5	34.2
3	34.5
2	34.6
4	34.7

Source : Hengxiang et.al., 2018

3. Laboratory note book and viva-voce. 1.5+1.5=3
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