

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

2022

GEOGRAPHY (Honours)

Paper Code : DC-11B

(Soil & Bio Geography)

(Practical)

Set - I

Full Marks : 15

Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt all the questions.

1. (a) Write about required tools' name for determination of soil particles size by sieve analysis.

(b) What is soil pH?

(c) Write down the procedures of soil pH measurement. 1+1+3=5

2. Table no 1 shows Marine fisheries of the North-East coast of India during last 12 years.

(a) Compute and draw the trend buy 3 years moving average.

(b) Give your comments.

2+4+1=7

P.T.O.

Table No. 1

Marine Fisheries Production ('000 tonnes)

Year	Marine Fisheries Production '000 Tonnes	Years	Marine Fisheries Production ('000 Tones)
2011-2012	696	2015-2016	905
2012-2013	712	2016-2017	924
2013-2014	750	2017-2018	1056
2014-2015	884	2018-2019	1123

3. Laboratory note book and viva-voce.

1.5+1.5=3

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Paper Code : DC-12B

(Hydrology and Oceanography)

(Practical)

Set - I

Full Marks : 15

Time : One Hour Thirty Minutes

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Attempt all the questions.

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

Table : 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 Milanpur, Kuya River

P.T.O.

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

Table : Temperature and salinity conditions of Southern South China Sea

Temperature (C)	Salinity (PSU)
29.7	33.3
29	33.4
28.8	33.5
28.2	33.6
25.1	33.8
21.6	33.9
20.5	33.9
18	34.1
16.5	34.2
15	34.4
13.7	34.5
9	34.6
6.80	34.6
3	34.7

Source : Hengxiang et. al., 2018

3. Laboratory note book and viva-voce. 1.5+1.5=3
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Instructions to the examiners.

1. Examiners are requested to resolve any kind of complexity in the question papers, if arises during the examination. Please consult the same with the coordinator at the earliest; and also to attach a hard copy report regarding the same.
2. For question no. 2 if any examinee wish to use graph papers for plotting/drawing purposes, the same are to supplied, and this is to be duly signed by the invigilators and attached within the answer scripts.

For question no 2a. Calculation - 2

Trend line Plotting - 2

Heading & Labelling - 2

3. Time duration of viva-voce should not be more than 5 minutes to any student.

P.T.O.

4. Evaluated answer scripts, viva-sheets award list and other reports (if any) have to be sent to the following address within a week in separate envelopes, with properly sealed.

Add. for Communication

To

The Controller of Examination

University of Gour Banga

P.O. Mokdumpur

District Malda, Pin - 732103

Co-ordinator

Dr. Beauty Das

Dept. of Geography

Balurghat College

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2. For question no. 1 please provide graph paper.
3. For question no. 2. Please provide graph paper.

Co-ordinator

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