2023

GEOGRAPHY (Honours)

Paper Code : GEOH DC-13B

(Practical)

Set - III

Full Marks : 15   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt *all* questions.

1. The annual highest flood levels (m) for a river are given for the period of 1998-2003.

   Determine the flood year based on the following observation and plot it graphically. [Follow the latest classification scheme given by CWC, India.]   3+2=5

Year	Annual highest flood level (m)	Remarks
1998	109.28	
1999	107.09	Warning level - 100.7
2000	99.56	Danger Level - 101.7
2001	100.7	Highest Flood Level -
2002	101.77	107.08
2003	102.7	

                              P.T.O.

2. The maximum annual floods for a river for 12 years are given below :

   (a) Determine the flood frequency by using Weibull's method. 4

   (b) Plot the flood frequency curve. 3

Year	Flood (cumec)	Year	Flood (cumec)
1981	219	1987	575
1982	490	1988	625
1983	233	1989	830
1984	141	1990	233
1985	256	1991	260
1986	308	1992	387

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

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