

**2021****ZOOLOGY — HONOURS — PRACTICAL****Paper : CC-11P****Full Marks : 30****Time : 2 hours***The figures in the margin indicate full marks.*

1. Write the principle with equation and procedure to determine free CO<sub>2</sub> from given water sample. Calculate the free CO<sub>2</sub> from the given observation table. Comment on your result. (3+2+5)+3+2

NO. OF OBSERVATION	INITIAL BURETTE READING (ml)	FINAL BURETTE READING (ml)
1.	2.6	2.8
2.	2.1	2.4
3.	2.4	2.6

2. Calculate the pH and comment on the nature of the samples A and B. (1+1)×2

Sample no.	pH reading 1	pH reading 2	pH reading 3
A	5.9	6.1	6
B	11	11.4	11.5

3. Write the principle and procedure to determine salinity of given sample. 3+5
4. Identify the following zooplankton with identifying features. 1+2



Specimen A

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