

NEW
Part-III 3-Tier
2015
ZOOLOGY
(Honours)
PAPER—VIII
(PRACTICAL)

Full Marks : 100

Time : 5 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all questions.

Unit—A

**(Experiments on Environmental Biology,
Toxicology and Applied Zoology)**

1. Estimate the dissolved O_2 /free CO_2 /total Alkalinity / Salinity (any one) of the water sample provided. Write the principle and ecological significance of the result.

$$10+2\frac{1}{2}+2\frac{1}{2}$$

(Turn Over)

2. Perform general test on food adulteration of the sample provided. Comment on the result. 7+3
 [Samples for Questions 1 and 2 to be provided as per syllabus.]

Unit—B

(Identification : upto sub-class for non-chordates and order for chordates)

3. Identify non-chordate specimens (A, B and C) with reasons. 5×3
4. Identify chordate specimens (D, E and F) with reasons. 5×3
5. Identify bone samples (G and H) with reasons. 5×2
6. Give Scientific names of the specimens provided (I & J) and comment on their significance. 5×2

[For Questions 3, 4 and 5 : Reasons - 4 marks, Scientific names - 1 mark]

[Specimens for Identification should be provided as per syllabus.]

Unit—C

7. Field Report. 10
8. Laboratory Note Book. 10
9. Viva Voce. 05