

NEW

Part-III 3-Tier

2018

ZOOLOGY

(Honours)

PAPER—VII

(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.

Group—A

1. Prepare a smear of the gut content / Seminal vesicular content of the animal specimen provided. Examine your preparation under a microscope and draw a labelled diagram of the endoparasite observed by you. Identify the

(Turn Over)

- parasite stating any three morphological characteristics and the generic name. 16
2. Identify the histological slides provided (A, B and C), stating two diagnostic characters for each slide. 3×3
 3. Prepare a smear of the microbial sample provided. Fix and 'Gram stain' the smear. Examine the preparation under a microscope and draw a diagram of the bacterium observed by you, stating the generic name. 10

Group—B

4. (a) Identify the sample provided by performing suitable qualitative tests. Tabulate your tests (names only) observations and inferences (with reaction wherever necessary). 15
- (b) Estimate the concentration (mg / ml) of protin present in the 'unknown solution' provided, using Lowrys method. Present your readings, calculation and inference. 15
5. Prepare a blood film with the blood sample provided. Fix and stain it suitably. Observe your preparation under a microscope and draw a labelled diagram of any leucocyte observed by you. 10

6. Determine the pH of the water sample provided. Record your result and comment on it. 5

Group—C

7. Laboratory Note Book. 10
8. Viva Voce. 10
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