

2018

CBCS

1st Semester

ZOOLOGY

PAPER—C2P

(Honours)

(Practical)

Full Marks : 20

Time : 2 Hours

Instruction for Examiners

1. Any one sample (A) from carbohydrate / sugar/ lipid / proteins can be supplied.

At least two tests should be performed. Alternative samples may be supplied.

2. Under specimen 'B' for epidermal peeling of onion, sample may preferably be supplied in accordance with syllabus for cell structure study.

For plasmolysis and deplasmolysis experiments suitable leaf material may be supplied.

Staining pretreated-onion root tip or *Rhoeo* buds may be given.

3. For identification electron micro graph of cell organelles and / or any stage of mitosis or meiosis may be given.
 4. Laboratory note books should have proper legible signature(s) of the teachers.
 5. Candidates are to be asked questions relates to practical syllabus only.
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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.

Illustrate the answers wherever necessary.

Attempt the following questions according to direction.

Answer all questions.

1. Determine—of the water sample provided. Write down the principle, result and calculate and also make a comment.
2+2½+2½+1
2. Prepare a life table from provided data. 4

(Turn Over)

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|-------------------------|---|
| 3. Field Note Book | 3 |
| 4. Laboratory Note Book | 2 |
| 5. Viva-Voce | 3 |
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For question No. 1

Any one of the following set.

- (a) Determination of chemical oxygen demand
- (b) Determination of free O_2 .
- (c) Determination of dissolved O_2 .

For question No. 3

Field Report must include Report on National Park/Wild life Sanctuary Coastal area.

Field Report must signed by Teacher

For question No. 2

Data of life table to be provided.
