

2018

2nd Semester

PHYSIOLOGY

(Honours)

PAPER—C3P

(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer all questions.

1. Isolate a nerve fibre and demonstrate the node of Ranvier after staining it with silver nitrate. Interpret your result.

{Preparation of nerve fibre : 02

Staining and demonstration : 02

Interpretation : 02]

6

2. Demonstrate kymographically the effects of two consecutive loads in ascending order on single skeletal muscle twitch of toad. Calculate the work done by the muscle and interpret your result.

9

[Drum smoking : 01

Skeletal muscle twitch —

Normal : 01

Load 1 : 02

Load 2 : 02

Calculation of work done : 02

Interpretation : 01]

3. Laboratory Note Book.

2

4. Viva-Voce.

3