

NEW

Part-III 3-Tier

2018

PHYSIOLOGY

PAPER—VII

(Honours)

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

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

Answer all questions.

1. Interpret the observation of the supplied kymographic record of toad's gastrocnemius sciatic preparation. 5
[Record to be provided by lottery]
2. Demonstrate the effect of anoxia on isolated intestinal movement of rat by Dale's apparatus. 15
[Preparation — 03, Normal tracing — 02, Effect — 03, Normal tracing — 02, Permanent record — 02, Interpretation of your result 03.]

(Turn Over)

3. Demonstrate the effect of exercise (Hardvard step test) on pulse rate of a hyman subject. Measure resting pulse rate, pulse rate just after exercise, three successive recovery pulse rate with an interval of one minute. Plot your result graphically. 10

[Resting Pusle rate – 02, pulse rate just after exercise—02, three recovery pulse rate—03, Graph—03]

4. Measure the following anthropometric parameters

(a) Shoulder height

(b) Neck circumference and compute BSA from height and weight. 3+3+4

5. Tabulate the suploed data and prepare a pie-diagram using Ms Excel. 10

[Table—04, Pie diagram—06]

6. Project / Field survey report 20

[Report preparation – 12; Viva on the report – 08]

7. Report of educational excursion. 10

[Report preparation – 06; Viva on the report – 04]

8. Laboratory Note Book. 10
- [*Experimental physiology - 03; Human experiments - 04; Computer application - 03*]
9. Viva-Voce. 10
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