

OLD
Part II 3-Tier
2016
ZOOLOGY
(Honours)
PAPER—V
(PRACTICAL)

Full Marks : 100

Time : 6 Hours

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

Answers all questions.

Unit—A

- (a) Dissect & display _____ system of the specimen provided. Draw a labelled diagram of your dissection. 8+(2+2)

(b) Dissect & display _____ system of the specimen provided. Draw a labelled diagram of your dissection. 8+(2+2)
2. Make a whole mounted preparation of the specimen provided. 6

(Turn Over)

3. Create a file/manipulate a file using MS Office and save it after naming. 10

Or

Make a Pie Chart / Bar diagram found on databases provided.

4. Laboratory Note Book Submission. 5
5. Viva-Voce. 5

Unit—B

6. (a) Make a stained chromosome preparation from Grasshopper testis.
(b) Identify a stage with reasons.
(c) Draw a labelled diagram of the identified stage. 10+2+3

7. (a) Make a stained preparation of the sample provided and identify it with reasons.
(b) Draw a labelled diagram of the sample. (10+2)+3

8. Identify the samples provided with proper reasons. (at least 3 characters). $2\frac{1}{2} \times 4$

9. Laboratory Note Book Submission. 5
10. Viva-Voce. 5
-

OLD
Part II 3-Tier
2016
ZOOLOGY
(Honours)
PAPER—V
(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the margin indicate full Marks.

Instructions to the Examiners.

For Question No. 1

Set any *two* of the following (One from invertebrate and another from vertebrate) :

- (i) Male Reproductive System of Cockroach.
- (ii) Afferent & Efferent branchial arteries — Lata.
- (iii) IX and Xth Cranial nerves — Rohu.
- (iv) Reproductive system of Earthworm.

For Question No. 2

Set any *one* of the following :

- (i) Female Reproductive System of Cockroach.

Or

Nerve ring of earthworm.

(Turn Over)

(iii) Brain and pituitary gland of Rohu.

Or

Mouth parts of Cockroach.

For Question No. 3

Provide computer and data to each student for Pie chart / Bar diagram.

For Question No. 6

Male Grosshopper to be provided to the students.

Staining & display — 10+2

Diagram with labelling — 3

For Question No. 7

Any one of the following TS to be provided to the students.

- (i) Ovary, (ii) Pancreas, (iii) Thyroid, (iv) Kidney,
(v) Testis, (vi) Liver.

For Question No. 8

Set the following :

- (i) TS of Thyroid / Kidney / Testis.
(ii) Whole mount of 72 hours / 96 hours chick embryo.
(iii) Gastrulla / blastula stage of frog.
(iv) One histochemical detection from protein / lipid / carbohydrate.

Or

Whole mount of 48 hours chick embryo.
