

2019

Part – II

ZOOLOGY

(Honours)

Paper – V

(Practical)

Full Marks – 100

Time : 6 Hours

Instructions to the Examiners

For Question No. (1)

Set the experiment as invertebrate part from the following – (any one)

- (i) Nervous system of earth worm
- (ii) Reproductive System of earth worm
- (iii) Nervous system of cockroach
- (iv) Male reproductive system of cockroach

Drawing – 10 Marks

Labelling – 5 marks

For Question No. (2)

Set the experiment as vertebrate part from the following -(any one)

- (i) Afferent and efferent branchial arterial system
- (ii) IXth & Xth Cranial Nerves.

Drawing – 10 Marks

Labelling – 5 marks

For Question No. (3)

Provide computer and raw data to each student for polygon / pie chart / bar diagram.

Preparation – 8 marks

Save the preparation – 2 marks

= 10 marks.

For Question No. (4)

Set one stage under compound microscope preferably under 40X objective lens. Stage should be from meiotic stage from grasshopper testis. (No. need to dissect the grasshopper).

Identification of stage	–	3 marks
(in Presence of examiner)		
Procedure writing	–	7 marks
Draw & Label	–	2 marks
Justification	–	3 marks

For Question No. (5)

Provide one unstained slide (with tissue section) to each student, for staining slide should be from the syllabus. (Liver/Lungs/stomach/pancreas/thyroid/kidney/ovary/testis)

Staining	–	8 marks
Mounting	–	1 marks
Identification with reasons	–	2 marks
Drawing & labelling	–	2+2 = 4marks
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		15 marks

For Question No. (6)

Set any two from the following :

24 hrs embryo/ 48 hrs embryo / 72 hrs embryo / 96 hrs embryo.

Identification	–	2 marks
Reasoning	–	3 marks
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		5 marks

For Question No. (7)

Laboratory Note Book – 10 marks

(Signature of the teacher must be noted)

For Question No. (8)

Viva-voce – 10 marks

Note : Ask five questions from the syllabus.
