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PA—77—2024

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (Second Semester) EXAMINATION

MARCH/APRIL, 2024

(New Pattern)

ZOOLOGY

Paper IV

(Developmental Biology of Vertebrates)

(Thursday, 23-04-2024)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

Note :— (i) Attempt all questions.

(ii) Illustrate your answers with suitable and labelled diagrams wherever necessary.

1. Give an account of types of Eggs on the bases of amount and distribution of yolk. 15

Or

(a) Explain the formation of three germinal layers in frog embryo. 8

(b) Describe the structure of sperm of frog. 7

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(2)

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2 Describe in brief any *three* assisted reproductive techniques. 15

Or

(a) Describe the structure of Amnion in chick. 8

(b) Describe the functions of Placenta. 7

3. Write short notes on any *two* of the following : 10

(a) Spermiogenesis

(b) Blastula of Frog

(c) Yolk sac in chick

(d) Artificial Parthenogenesis.

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