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**SB—126—2022**

**FACULTY OF SCIENCE & TECHNOLOGY**

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

**MAY/JUNE, 2022**

**(New Course)**

**ZOOLOGY**

**Paper-IV**

**(Developmental Biology of Vertebrates)**

**(Monday, 20-06-2022)**

**Time : 10.00 a.m. to 12.30 p.m.**

*Time— 2½ Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt all questions*  
*(ii) Illustrate your answers with suitably labelled diagrams wherever necessary.*

1. Describe in detail patterns of eggs. 15

*Or*

Write notes on :

(a) Explain Human Gastrulation. 8

(b) Explain causes of infertility. 7

2. Explain mechanism of morphogenetic movement. 15

*Or*

(a) Explain morulla in human fertilization. 8

(b) Explain characteristics of morphogenetic field. 7

P.T.O.

3. Write short notes on (any *two*) :

10

- (a) Sperm of frog
- (b) Explain sixteen hours chick blastoderm
- (c) Induced ovulation in fishes
- (d) Tadpole Larva.