

Roll No.

DD-470

M. Sc. (Second Semester)
EXAMINATION, May-June, 2020

ZOOLOGY

Paper Third

(Development Biology)

Time : Three Hours

Maximum Marks : 80

Note : All questions are compulsory. Each question carries equal marks.

1. Write short notes on the following (50 words) :

- (i) Structure of Sperm
- (ii) Macrolecithal ovum
- (iii) Epiboly
- (iv) Retrogressive Metamorphosis

Unit—I

2. Describe spermatogenesis.

Or

Explain the importance of the hormones in oogenesis.

[2]

Unit—II

3. Describe briefly the mechanism of fertilization.

Or

Draw a well labelled diagram of Egg and also write classification of egg.

Unit—III

4. Explain the fate map of Amphibia. What are the different types of fate mapping technique ?

Or

Write a note on formative movement *or* differentiation.

Unit—IV

5. Explain in detail about concept of organizer.

Or

Describe metamorphosis.