

B.Sc. Part-I Examination, 2020
(Under 1+1+1 System)
Zoology-Honours
Second Paper (Paper-II)
Unit- I
(Developmental Biology)

Time: 2 Hours

Full Marks: 25

Q1. Answer **any four** out of given eight questions:

(5 X 4 = 20)

- (a) What is fate map? Name any two methods of fate map preparation.
- (b) Distinguish between epiboly and emboly.
- (c) What is somatopleure?
- (d) Write importance of *in vitro* fertilization.
- (e) What is the significance of primitive streak?
- (f) Define holoblastic and meroblastic cleavage.
- (g) Give two important functions of placenta.
- (h) Differentiate between area opaca and area pellucida.

Q2. Answer **any one** out of given 3 questions:

(5X1)

- (a) What are the 'fast block' and 'slow block' to polyspermy.
- (b) Describe process of acrosome formation.
- (c) Name two extra embryonic membranes and mention their functions.