

24363719002

23BZO401

UG PROGRAM (4 YEARS HONOURS) WITH SINGLE MAJOR
AT THE END OF FOURTH SEMESTER
ZOOLOGY-EMBRYOLOGY
(B.Sc. HONOURS-MAJOR)
(w.e.f. Admitted Batch 2023-24)

Time: 3 Hours

Maximum: 70 Marks

Section-A

Answer any Five Questions.

5x4=20

1. What are cytoplasmic determinants?
2. Write a short note on spermatogenesis.
3. Explain the fate of germ layers.
4. Write a note on placenta.
5. What is metamorphosis?
6. Define organogenesis.
7. Define embryology and explain its scope.
8. What is blastula?

Section-B

Answer All Questions.

5x10=50

9. a) Explain the differential gene expression in development.
(Or)
b) Describe cell-cell interaction and pattern formation.
10. a) Explain oogenesis.
(Or)
b) Describe the process of fertilization.
11. a) Explain the types and functions of placenta.
(Or)
b) Describe extra-embryonic membranes and their functions.
12. a) Explain metamorphosis in amphibians and its hormonal regulation.
(Or)
b) Describe regeneration and its types.
13. a) Explain the organogenesis of central nervous system.
(Or)
b) Describe the organogenesis of circulatory system in humans.
