

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2017 Ist
* (Second Semester)

Branch- ZOOLOGY

EMBRYOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x2 = 20)

- 1 Acrosome.
- 2 Cleidoic egg.
- 3 Morula.
- 4 Neurogenesis.
- 5 Hensen's node.
- 6 Somites.
- 7 Cells of Rauber.
- 8 Follicle stimulating hormone,
- 9 Artificial insemination.
- 10 Embryo cloning.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Describe the structure of a mammalian sperm.
OR
b Describe natural parthenogenesis .
- 12 a Describe the planes of cleavage.
OR
b Describe the gastrulation of frog.
- 13 a Write briefly on gastrulation of chick.
OR
b Describe the 72 hours of chick embryo.
- 14 a Describe the formation of blastocyst.
OR
b List out the functions of placenta .
- 15 a Explain the embryo transfer technology in farm animals.
OR
b Write an account on in vitro fertilization.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Write an essay on fertilization.
- 17 Give a detailed account on development of eye and its inductive interactions.
- 18 Enlist and explain the embryonic induction in vertebrates.
- 19 Write a detailed account on sexual cycles and its regulation.
- 20 Describe embryo cloning in the production of quadric parental hybrids.

Z-Z-Z

END