



K17U 0397

Reg. No. : .....

Name : .....

VI Semester B.Sc. Degree (CBCSS – Regular) Examination, May 2017  
2014 Admn.

**CORE COURSE IN ZOOLOGY**

**6B12ZLG : Developmental Biology, Teratology and Gerontology**

Time : 3 Hours

Max. Marks : 40

I. Answer **any one** of the following : (1×8=8)

- 1) With the help of a diagram explain the salient features of 24 hr. Embryo.
- 2) Explain various assisted reproductive techniques.

II. Answer **any one** of the following : (1×8=8)

- 3) Explain the classification of eggs based on the amount and distribution of yolk.
- 4) Describe the process of regeneration.

III. Answer **any two** of the following : (2×4=8)

- 5) Explain Fate map.
- 6) Describe any two theories of ageing.
- 7) Explain hormonal control of amphibian metamorphosis.
- 8) Describe various morphogenetic movements.

IV. Answer **any six** of the following : (6×2=12)

- 9) Blastocyst
- 10) Amniocentesis
- 11) Cell lineage
- 12) Homeotic genes
- 13) Teratogens
- 14) Vitellogenesis
- 15) Apoptosis
- 16) Ethical issues in human cloning
- 17) Corpus luteum
- 18) Gestation.

P.T.O.



V. Answer **any four** of the following :

(4×1=4)

- 19) Blastomeres are the cells produced as a result of
- a) Blastulation
  - b) Cleavage
  - c) Gastrulation
  - d) Organogenesis
- 20) Vital staining methods was devised by
- a) Vogt
  - b) Spencer
  - c) Spratt
  - d) Spemann
- 21) Which of the following is a teratogen ?
- a) Nicotine
  - b) Thalidomide
  - c) Alcohol
  - d) All these
- 22) Meroblastic discoidal type of cleavage is found in
- a) Human
  - b) Insects
  - c) Birds
  - d) Frog
-