



K18U 0152

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS-Reg./Supple./Imp.)
Examination, May 2018
CORE COURSE IN ZOOLOGY
6B12 ZLG : Developmental Biology, Teratology and Gerontology
(2014 Admn. Onwards)

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 48 hr Embryo.
- 2) Explain on Teratogens.

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 cloning.

III. Answer **any two** of the following :

(2×4=8)

- 5) Explain regeneration.
- 6) Describe any two theories of ageing.
- 7) Explain Spemann's constriction experiments.
- 8) Make a note on amniocentesis and ultrasonography.

IV. Answer **any six** of the following :

(6×2=12)

- 9) Vital stains
- 10) Chorionic Villi sampling
- 11) Blastulation
- 12) Germ layers
- 13) Graffian follicle
- 14) GIFT and ICSI
- 15) Apoptosis

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- 16) Ethical issues in human cloning
 17) Morphogenetic movements
 18) Placentation.

(4×1=4)

V. Answer the following :

19) Blastula stage of mammals is

- a) Stomoblastula b) Discoblastula
 c) Periblastula d) Blastocyst

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) The type of cleavage is found in macrolecithal and highly telolecithal egg is

- a) Superficial b) Discoidal
 c) Both a) and b) d) None of these