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E – 3363

Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, July 2018
First Degree Programme under CBCSS

ZOOLOGY

Core Course – III

ZO 1441 : Animal Diversity – II
(2013 Admn.)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions with **two** diagnostic features (**one** mark **each**) :

- 1) *Oikopleura*
- 2) Ostracodermi
- 3) *Narcine*
- 4) *Echeneis*
- 5) *Latimeria*
- 6) Rhynchocephalia
- 7) Neornithes
- 8) *Tachyglossus*
- 9) Endostyle
- 10) Diastema.

(10×1=10 Marks)

II. Answer **any eight** of the following (**two** marks **each**) :

- 11) Differentiate between Agnatha and Gnathostomata.
- 12) Features of Dipnoi.
- 13) Diadromous migration.
- 14) Ecological adaptations of *Hyla*.

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- 15) Distinguish between parapsida and diapsida.
- 16) Diagnostic features of Crocodilia.
- 17) Zoological importance of *Archaeopteryx*.
- 18) "Prototherians are unfinished mammals". Justify.
- 19) Flying mammals.
- 20) Distinguish between Chondrichthyes and Osteichthyes.
- 21) Features of *Amblystoma*.
- 22) Neornithes.

(8×2=16 Marks)

III. Answer **any six** of the following (**four marks each**) :

- 23) Describe the digestive system of man.
- 24) Explain the components of human blood.
- 25) Retrogressive metamorphosis.
- 26) Enumerate the salient features of class Reptilia.
- 27) Snake venom.
- 28) Describe the structure of human heart.
- 29) Economic importance of mammals.
- 30) Flight adaptations of Aves.
- 31) Give an account of Lung fishes.

(6×4=24 Marks)

IV. Answer **any two** of the following (**15 marks each**) :

- 32) Give an account of accessory respiratory organs of fishes.
- 33) Explain parental care in amphibia.
- 34) Explain in detail the dentition in mammals.
- 35) Explain the skeletal system of man.

(2×15=30 Marks)
