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Reg. No. : .....

Name : .....

First Semester B.Sc. Degree Examination, December 2016
First Degree Programme under CBCSS
ZOOLOGY
Core Course – I
ZO 1141 : Animal Diversity – I
(2014 Admission)

Time: 3 Hours Max. Marks: 80

All Saints' College Trivandrum

I. Answer the following questions (In **one** or **two** sentences. **One** mark **each**) :

1) Syngamy
2) Red tides
3) Protostomia
4) Spongilla
5) Cormidium
6) Cysticercus
7) Magna
8) Lymphatic filariasis
9) Heteroneries
10) Pedicellariae. **(10×1=10 Marks)**

II. Answer **any eight** of the following. (**Not** to exceed **one** paragraph. **Each** carries **two** marks) :

11) General characters of Crinoidea
12) Salient features of Phylum Onychophora
13) Hirudinaria
14) Pin worm infection in man
15) Polymorphism in physalia
16) Salient features of Calcispongia

17) Exoerythrocytic cycle of Plasmodium

18) Life cycle of *Trypanosoma gambiense*

19) Bilateral symmetry

20) Madrepora

21) Green gland in Penaeus

22) General characters of Asteroidea. **(8×2=16 Marks)**

III. Answer **any six** of the following. (not to exceed **120** words. **Each** carries **4** marks) :

23) Explain Whittaker's five kingdom classification.

24) Different types of coral reefs.

25) Salient features of Polychaetes with suitable examples.

26) Larval forms of Fasciola.

27) Explain general characters of Phylum Nematode with suitable examples.

28) Larval forms of Penaeus sp.

29) Important silkworms used in sericulture.

30) General characters of Scorpion.

31) External morphology of Megascolex. **(6×4=24 Marks)**

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

32) Write an essay on parasitic protozoans.

33) Explain the structure of appendages in prawn.

34) Explain the morphology, life history and pathogenicity of Ascaris.

35) Explain important steps involved in pearl culture. **(2×15=30 Marks)**

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