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Reg. No. : .....

Name : .....

First Semester B.Sc. Degree Examination, February 2018
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) Axopodia.
2) Bioluminescence.
3) Deuterostomia.
4) Rhopalura.
5) Euplectella.
6) Adamsia.
7) Miracidium larva.
8) Ancylostomiasis.
9) Sacculina.
10) Neomenia. **(10×1=10 Marks)**

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

11) General characters of cephalopods.
12) Limulus.
13) Annelidian affinities of peripatus.
14) Wuchereria infection in man.
15) Metagenesis in Obelia.
16) Structure and systematic position of Paramecium.

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17) General characters of class cestoda.
18) Biradial symmetry.
19) Social organization in honey bee.
20) Biramous appendage.
21) Evisceration.
22) Salient feature of Terido.

(8×2=16 Marks)

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

23) Discuss advantages and disadvantages of five kingdom classification.
24) Pathogenicity and prophylaxis of *Entamoeba histolytica*.
25) Economic importance of insects.
26) Explain salient features of class scyphozoa.
27) Explain general characters of Anthozoa with suitable examples.
28) Parasitic adaptations of *Taenia solium*.
29) Important honey bee species used in the apiculture.
30) General characters of Amphineura.
31) Morphology of penaeus.

(6×4=24 Marks)

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

32) Give a brief account of economic importance of Earthworm and Vermiculture.
33) Explain economic importance of molluscs.
34) Explain morphology, life history and pathogenicity of *Plasmodium vivax*.
35) Discuss sericulture in detail.

(2×15=30 Marks)

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