C – 1446

(Pages : 2)

Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree Examination, April 2017
First Degree Programme under CBCSS
Core Course IX
ZO 1641 : PHYSIOLOGY AND BIOCHEMISTRY
(2014 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions (**1** mark **each**) :

1) Renal Calculi.

2) Pace maker.

3) Simple Muscle twitch.

4) Synapse.

5) Phospholipids.

6) Adolescence.

7) Gustatory Organ.

8) Co factors.

9) Anti coagulant.

10) Hexoses.

(10×1 = 10 Marks)

II. Answer **any eight** questions (**2** marks **each**)

11) Life style diseases.

12) Angioplasty.

13) Carbon monoxide poisoning.

14) Red and white muscles.

All Saints' College Trivandrum

15) Alzheimer's disease.

16) Hearing impairments.

17) Diabetes mellitus.

18) Homo and Hetero polysaccharides.

19) Primary structure of protein.

20) Iso enzymes.

21) Visual elements and pigments.

22) Oxy-haemoglobin curve. **(8×2 = 16 Ma**

III. Answer **any six** questions (**4** marks **each**) :

23) Briefly describe transport of carbon dioxide.

24) Explain the various steps in deamination.

25) Explain briefly the mechanism of hormone action.

26) Explain transmission of nerve impulse across a synapse.

27) Write a note on different types of muscles.

28) Briefly describe different types of Nutrition.

29) Describe the structure of Haemoglobin.

30) List the hormones secreted by adrenal cortex. Add a note on its functions.

31) Briefly describe dialysis and kidney transplantation. **(6×4 = 24 Mar**

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

32) Write an essay on different types of lipids and their biological functions.

33) Describe the common cardiovascular diseases.

34) Write a note on enzyme activation and inhibition.

35) Describe regulation of respiration. **(2×15 = 30 Mark**

All Saints College Trivandrum