

SAMPLE PAPER - 2014
BIOLOGY
Class – XI

General Instructions :

- *All questions are compulsory.*
- *The question paper consists of four sections A, B, C and D. Section-A contains 8 questions of 1 mark.*
- *each, Section B is of 10 questions of 2 marks each, Section C has 9 questions of 3 marks each whereas Section D is of 3 questions of 5 marks each.*
- *There is no overall choice. However, an internal choice has been provided in one question of 2 marks, one question of 3 marks and all the three questions of 5 marks weightage. A student has to attempt only one of the alternatives in such questions.*
- *Wherever necessary, the diagrams drawn should be neat and properly labeled*

SECTION A

- Q-1 Give the significance of museum.
- Q-2 Give examples of dinoflagellates.
- Q-3 Name two essential fatty acids.
- Q-4 Name the purine bases.
- Q-5 Give the function of cell wall.
- Q-6 What is the site of gaseous exchange in man?
- Q-7 What is chyme?
- Q-8 Give the function of centriole.

SECTION B

- Q-9 How open circulatory system differs from closed circulatory system.
- Q-10 Give important features of kingdom Protista.
- Q-11 What is total lung capacity.
- Q-12 Draw a diagram of human heart with four labels.
- Q-13 Give the significance of Anaphase stage.
- Q-14 Give examples of Ligases and Lyases enzymes.
- Q-15 Name the types of spores formed in kingdom fungi.
- Q-16 What is peptide bond?

Q-17 Differentiate between Archaeobacteria and Eubacteria.

Q-18 Give a labelled diagram of chloroplast.

OR

Name the salivary glands and their functions.

SECTION C

Q-19 Draw a labelled diagram of human digestive system .

Q-20 Differentiate between Phycomycetes and Ascomycetes.

Q-21 Give examples of heteropolymer and homopolymer.

Q-22 How Emphysema differs from Asthma.

Q-23 What is blood clotting?

Q-24 Draw a labelled diagram of Fluid Mosaic Model of cell membrane.

Q-25 Give the function of the following : (a) Pleura (b) Alveoli (c) Larynx

Q-26 Draw a labelled diagram of Metaphase of Mitosis.

Q-27 Describe the absorption of fat.

OR

Name the carbohydrate digestive enzymes.

SECTION D

Q- 28 Explain cardiac cycle.

OR

Describe the transport of Gases in man.

Q-29 Name the six classes of enzymes with examples.

OR

Describe the secondary structure of protein.

Q-30 Explain following in short (a) Virus (b) Viroids (c) Lichens (d) Dikaryon (e) Isogamy

OR

Give the structure and function of Mitochondria
