

## SECTION-B

**Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Differentiate between a plant cell and Animal Cell.
- Q.12 Give the importance of cell wall in plant cells.
- Q.13 Define Glycolysis and write down its steps.
- Q.14 List down the important functions of protein in the body.
- Q.15 Why enzymes are called Biocatalyst.
- Q.16 Differentiate between Aerobic and Anaerobic Respiration.
- Q.17 How Grouping of blood is done. Name and briefly explain the different blood groups in Human beings.
- Q.18 Draw a well labelled diagram of Ear.

## SECTION-C

**Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Name the various cell organelles present in an Animal cell. Write down the function any of 3 out of them and explain them briefly.
- Q.20 Explain the mechanism of cell division by meiosis with the help of a diagram.

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**1st Sem / DVOC**  
**Subject : Applied Biology - I**

Time : 2 Hrs.

M.M. : 50

## SECTION-A

**Note:** Very short questions. Attempt all ten questions.  
(10x1=10)

- Q.1 RBC stand for\_\_\_\_\_.
- Q.2 Give a function of protein.
- Q.3 \_\_\_\_\_tissue includes the blood tissue.
- Q.4 Name the longest cell in human body.
- Q.5 Define Cytoplasm.
- Q.6 Meiosis results in the formation of\_\_\_\_\_nuclei.
- Q.7 Cellular respiration is called aerobic, because it requires\_\_\_\_\_.
- Q.8 Name any one organelle present in cell.
- Q.9 In humans gametes contain\_\_\_\_\_chromosomes
- Q.10 A large vacuole is present in\_\_\_\_\_. (plant cell / Animal cell)

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