

SECTION-B

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

- Q.11 Outline the structure and function of phospholipids.
- Q.12 Differentiate between aerobic and anaerobic respiration.
- Q.13 How does coagulation of blood takes place?
- Q.14 Categorize the carbohydrates on the basis of structure.
- Q.15 Describe the process of glycolysis in step wise manner.
- Q.16 Identify the role of skin as a defensive organ.
- Q.17 ‘Meiosis is also termed as equation division of cells’. Infer the statement.
- Q.18 Tabulate the blood components and the functions carried out by them.

SECTION-C

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

- Q.19 Categorize the enzymes into different types. Describe the mechanism of action of enzymes..
- Q.20 Explain the physiology of muscle contraction.

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1st Sem, Level 3 / DVOC Medical Imaging Tech.

Subject : Applied Biology I

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Tell the name of two exocrine glands.
- Q.2 Why are lysosomes called as suicidal bags?
- Q.3 Interpret the meaning of Respiratory quotient.
- Q.4 Tell the concentration range of hemoglobin present in males and females
- Q.5 The sclera is commonly referred to as the _____ of the eye.
- Q.6 Define the term “Polycythemia”
- Q.7 PCV stands for _____
- Q.8 Fermentation is an _____ process.
- Q.9 Define the term Histology.
- Q.10 Tell the functional difference between cilia and flagella in a cell.