

SECTION-B

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

- Q.11 Name the main functional regions of the cell. Explain them briefly.
- Q.12 Differentiate between a prokaryotic and eukaryotic cell.
- Q.13 Explain the mechanism of action of enzyme in brief.
- Q.14 List down two functions of Carbohydrates and three functions of proteins.
- Q.15 Define tissue. Name and define the four main tissues present in Animal body.
- Q.16 Name the types of joints in Human body. Write its functions also.
- Q.17 Define Cardiac Muscles. Give its structure and function.
- Q.18 Draw the structure of nose and label its parts.

SECTION-C

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

- Q.19 i) Define and write down the function of
a) Golgi Apparatus b) Lysosomes
ii) Write a short note on Physiology of muscle contraction.
- Q.20 Define Blood. Name the various components of blood. Explain them briefly and write down their function also.

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Roll No.

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

Subject : Applied Biology-I

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory (10x1=10)

- Q.1 Cell theory is not applicable to _____ (Algae/Virus)
- Q.2 _____ is the unit of inheritance in living organism.
- Q.3 Chloroplast contain _____ pigment.
- Q.4 _____ component of blood fights infection.
- Q.5 _____ is the chief component of our skeleton.
- Q.6 _____ is responsible for clotting of blood. (Chromosomes/Platelets)
- Q.7 Define Golgi apparatus.
- Q.8 Define Somatic cells.
- Q.9 Anaerobic respiration takes place in the _____ of oxygen.
- Q.10 _____ Gland is called the master Gland in Humans.