

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Categorize the different types of connective tissue. Illustrate the answer with the help of examples and related diagrams
- Q.24 Explain the details of any four synovial joints with appropriate examples.
- Q.25 Differentiate between:
- a) Smooth and cardiac muscle
 - b) Artery and Vein

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1st Sem. / DMLT

Subject : Anatomy & Physiology I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Total lung capacity is
- a) 5000 ml
 - b) 6000 ml
 - c) 4000 ml
 - d) 2000 ml
- Q.2 Normal heart rate is
- a) 62/min
 - b) 68/min
 - c) 72/min
 - d) 76/min
- Q.3 Number of tarsal bones in one hand of human
- a) 5
 - b) 7
 - c) 9
 - d) 10
- Q.4 In respiratory tract wind pipe is also known as
- a) Larynx
 - b) Pharynx

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- c) Trachea d) Bronchi
- Q.5 Contractile tissue is known as
 a) Heart b) Muscle
 c) Blood d) Adipose
- Q.6 Knee cap is also known as
 a) Quadriceps b) Patella
 c) Meniscus d) Trochlea

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Name the instrument used to trace the electrical recording of cerebral cortex
- Q.8 Why mitochondrion is also known as power house of the cell?
- Q.9 List at least two functions of lymph
- Q.10 Ball and socket joints are least stable joint. Infer the statement.
- Q.11 Define the term cardiac cycle. For how much duration one cycle lasts.
- Q.12 How many lobes are present in right and left lungs respectively?

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 List at least four factors affecting blood pressure.
- Q.14 Discuss the classification of synovial joints.
- Q.15 Interpret the terms
 a) Resting membrane potential
 b) Intervertebral joints
- Q.16 How coronary and portal circulation differ from each other?
- Q.17 Discuss the classification of bones with examples.
- Q.18 Outline the differentiating features between right and left lung.
- Q.19 Tell the principle of ECG. How does the patient can be prepared for an ECG test?
- Q.20 Show the divisions of vertebral column with the help of labeled diagram
- Q.21 How does circulation of blood take place in human heart?
- Q.22 Discuss the anatomy of skeletal muscles in human lungs

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