

No. of Printed Pages : 4
Roll No.

221913

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 |
|-----------|------------|

- | | |
|------------|------------|
| 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) Quadricep | 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?

SECTION-C

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

- Q.13 List at least four factor 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 does 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 takes place in human heart
- Q.22 Discuss the anatomy of skeletal muscles in human lungs

(3)

221913

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

(4)

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221913