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223231

**3rd Sem. / Medical Electronics**  
**Sub : Human Anatomy & Physiology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

- Q.1 Which is called power house of cell
- a) Mitochondria                      b) Nucleus
- c) Golgi apparatus                  d) None of these
- Q.2 Which of following contain taste buds
- a) Tongue                              b) Saliva
- c) Amylase                             d) None of these
- Q.3 The structural unit of Brain is \_\_\_\_\_.
- a) Tissue                                b) Nephron
- c) Synapse                              d) Neuron
- Q.4 Which of following secrete Bile
- a) Liver                                  b) Spleen
- c) Salivary gland                      d) None of these

- Q.5 The largest bone of human body is
- |           |            |
|-----------|------------|
| a) Stapes | b) Tibia   |
| c) Femur  | d) Humerus |
- Q.6 Scurvy is caused due to
- |              |              |
|--------------|--------------|
| a) Vitamin-A | b) Vitamin-B |
| c) Vitamin-C | d) Potassium |

### Section-B

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

- Q.7 Natural Pacemaker.
- Q.8 Blood vessels.
- Q.9 Bundle of HIS.
- Q.10 Nephron.
- Q.11 Spleen.
- Q.12 Bronchi.

### Section-C

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

- Q.13 List various digestive organs with their importance.
- Q.14 Explain anatomy of Heart with diagram.

- Q.15 Explain conduction system of heart.
- Q.16 Explain structure of a tooth with diagram.
- Q.17 Write a note on functions of cerebellum?
- Q.18 Explain structure of Nephron unit.
- Q.19 Explain mechanics of breathing.
- Q.20 Write a note ABO Blood Group System.
- Q.21 Explain anatomy & physiology of lungs with diagram.
- Q.22 Explain Muscular Tissue & its classifications?

### Section-D

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

- Q.23 Explain different types of joints of human body with diagram.
- Q.24 Explain blood circulation through heart with diagram.
- Q.25 Explain respiratory system of human body with diagram.