

## **SECTION-D**

**Note: Long answer questions. Attempt any two questions out of three Questions.** **(2x10=20)**

- Q.36 Explain digestive system in humans with diagram.  
Q.37 Explain cell structure with block diagram.  
Q.38 Explain different anatomical planes with diagram.

No. of Printed Pages : 4

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**3rd Sem. Branch : Med Eltx.**

**Sub.: Anatomy & Physiology-I / Anatomy & Physiology**

**Time : 3 Hrs.**

**M.M. : 100**

## **SECTION-A**

**Note: Multiple type Questions. All Questions are compulsory.** **(10x1=10)**

- Q.1 The basic unit of excretory system is  
a) Neuron                          b) Tissue  
c) Nephron                        d) None of the above
- Q.2 Heartbeat originates from  
a) Aorta                            b) AV Node  
c) SA Node                        d) All of the above
- Q.3 \_\_\_\_\_ is used for measurement of electrical activity of brain  
a) ECG                            b) EEG  
c) EMG                            d) None of the above
- Q.4 Which of the following joint is immovable  
a) Fibrous                        b) Synovial  
c) Ball and socket              d) All of these
- Q.5 Inter costal muscles are attached with  
a) Ribs                            b) Diaphragm  
c) Abdomen                        d) None of the above

- Q.6 The balancing organ of ear is  
a) Vestibular apparatus    b) Organ of corti  
c) Cochlea                      d) Stapes
- Q.7 Tidal Volume concern with  
a) X-Ray Machine              b) ECG  
c) Ventilator                      d) Pulse oximeter
- Q.8 How many electrodes placed in 10/20 electrode placement system  
a) 19                              b) 20  
c) 21                              d) 10
- Q.9 Which of the following part of hindbrain  
a) Cerebellum                      b) Corpus callosum  
c) Spinal cord                      d) None of these
- Q.10 Which of the following part of brain controls temperature and hunger  
a) Hypothalamus                 b) Thalamus  
c) Cerebrum                        d) Cerebellum

### SECTION-B

**Note: Objective type questions. All questions are compulsory.**                      **(10x1=10)**

- Q.11 AV Node.  
Q.12 Blood Pressure.  
Q.13 Bundle of HIS.  
Q.14 Fibrillation  
Q.15 Expand ECG.

- Q.16 CSG.  
Q.17 Draw normal waveform pattern of ECG.  
Q.18 Blood composition.  
Q.19 Pancreas.  
Q.20 Gall Bladder.

### SECTION-C

**Note: Short answer type Questions. Attempt any twelve questions out of fifteen Questions.              (12x5=60)**

- Q.21 Explain stomach structure with diagram.  
Q.22 Explain bone classification.  
Q.23 Write a note structure of skin.  
Q.24 Write a note on CSF.  
Q.25 Explain Systematic circulation.  
Q.26 Explain regulation of body temperature.  
Q.27 Write a note on Bone formation and growth.  
Q.28 Explain Blood Group system.  
Q.29 Explain Blood circulation in Heart.  
Q.30 Write a note an tissue and its classifications.  
Q.31 Write a short note on Vitamins & Minerals.  
Q.32 Explain Long bone structure with diagram.  
Q.33 Explain the role of Biomedical engineer in healthcare industry.  
Q.34 Explain different small bones present in humanbody.  
Q.35 Explain Anatomy & Physiology.