

Q.33 Explain Synovial joint with diagram.

Q.34 Write a note on physiology of muscular contraction.

Q.35 Explain muscles and its classifications.

### SECTION-D

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

Q.36 Explain digestive system with diagram.

Q.37 Explain classification of joints with diagram.

Q.38 Explain skin structure and functions.

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**3rd Sem / Branch : Medical Electronics**

**Subject:- Anatomy & physiology-I / Anatomy & Physiology**

Time : 3Hrs.

M.M. : 100

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 The weight of human body is mainly made up of

- a) Bones
- b) Skin
- c) Body parts
- d) Water

Q.2 How many bones are found in human body

- a) 208
- b) 308
- c) 108
- d) 206

Q.3 Smallest bone in human body is.

- a) Incus
- b) Malleus
- c) Vomer
- d) Stapes

Q.4 Collar bone is named as.

- a) Patella
- b) Clavicle
- c) Scapula
- d) None of the above

Q.5 The strongest part of human body is.

- a) Bone
- b) Enamel
- c) Dentin
- d) None of above

Q.6 How many pair of ribs present in body.

- a) 11
- b) 12
- c) 13
- d) 14

- Q.7 \_\_\_\_\_ is called knee cap.  
a) Fibula                      b) Tibia  
c) Patella                     d) None of these
- Q.8 The basic structural unit of nervous system is.  
a) Cell                         b) Tissue  
c) Neuron                    d) Nephron
- Q.9 \_\_\_\_\_ study of body functions.  
a) Anatomy                  b) Physiology  
c) Histology                 d) Embryology
- Q.10 Normal PH of blood is.  
a) 7                              b) 8  
c) 7.4                          d) 10

### SECTION-B

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

- Q.11 Define Anatomy.  
Q.12 Define Joint.  
Q.13 Plasma.  
Q.14 Coagulation.  
Q.15 Artery.  
Q.16 Muscle.  
Q.17 Expand ECG.  
Q.18 Define PH  
Q.19 Oral Cavity.  
Q.20 Digestion.

### SECTION-C

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

- Q.21 Explain different terms related to anatomy and physiology of body.  
Q.22 Explain anatomical planes in brief.  
Q.23 Explain cell structure with diagram.  
Q.24 Explain tissue and its classifications.  
Q.25 Explain the composition of blood.  
Q.26 Write a note on functions of blood.  
Q.27 Explain the importance of Hemoglobin.  
Q.28 Explain bone structure and its classification.  
Q.29 Write a note on vertebral column.  
Q.30 Explain accessory organs of digestive system.  
Q.31 Write a note on importance of vitamins & minerals.  
Q.32 Explain movement of gastrointestinal tract during digestion.