

Q.31 Explain the process of reabsorption during urine formation in nephron.

Q.32 Name various types of vertebrae present in the spinal cord of human being.

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 Draw a neat diagram of Respiratory system and explain the mechanism of respiration.

Q.34 With the help of a neat diagram, explain the structure of kidneys.

Q.35 Explain the function of liver.

Q.36 Explain the structure of human heart with the help of a neat well labelled diagram.

No. of Printed Pages : 4

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**3rd / Medical Eltx.**

**Subject : Anatomy & Physiology**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

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

Q.1 Relaxation of heart is called \_\_\_\_\_.

Q.2 Give the function of villi in intestines.

Q.3 Human heart has \_\_\_\_\_ chambers.

Q.4 Name the cell organelle which is called power house of cell.

Q.5 Name one vein which carries impure blood.

Q.6 Gall bladder secretes \_\_\_\_\_.

Q.7 Name the muscles of forearm.

Q.8 Name the instrument used for recording ECG.

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- Q.9 Name the largest bone of human body.
- Q.10 Urine is acidic/basic/neutral in nature (Tick the right answer)

### SECTION-B

**Note:**Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

- Q.11 Name different components of blood.
- Q.12 What is the function of platelets.
- Q.13 Name two types of cell division.
- Q.14 Define cell.
- Q.15 Name by four cell organelles.
- Q.16 Give the function of lysosomes.
- Q.17 Define synapse.
- Q.18 Write the composition of urine.
- Q.19 Give the role of saliva in digestion.
- Q.20 Define haemop.

- Q.21 Give two functions of muscular tissues.
- Q.22 Define reflex action.

### SECTION-C

**Note:**Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

- Q.23 Differentiate between arteries & veins (5 diff.)
- Q.24 Give any five functions of blood.
- Q.25 Draw a neat well labelled diagram of human digestive system.
- Q.26 Draw a well labelled diagram of nephron and explain its function.
- Q.27 Where is bile juice stored and how does it help in digestion.
- Q.28 Give any five functions of skeletal system.
- Q.29 Give any five differences between voluntary and involuntary muscles.
- Q.30 Write various functions of brain.

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