



RAN - 1903000203020072



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**S. Y. B. Sc. (MLT) (Sem. - III) Examination**

**March - 2023**

**Medical Laboratory Technology : Paper - VI**

**Human Anatomy and Physiology**

**સૂચના : / Instructions**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**S. Y. B. Sc. (MLT) (Sem. - III)**

Name of the Subject :

**Medical Laboratory Technology : Paper - VI Human Anatomy and Physiology**

Subject Code No.: **1903000203020072**

Seat No.:

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Student's Signature

(2) All questions are compulsory.

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ  
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet  
are given on back side of the provided O.M.R. Sheet.***

**SET - A**

- Q. 1.** What does systole causes?
- a) Entry of blood into lungs
  - b) Entry of blood into heart
  - c) Entry of blood from heart
  - d) Entry of blood from ventricles to aorta and pulmonary trunk
- Q. 2.** Motor neurons carry all information which is received from interneuron to:
- a) Hormones in blood
  - b) Hormones in human skin
  - c) Nose and eyes
  - d) Muscles and gland
- Q. 3.** Ribs that join the sternum directly are called \_\_\_\_\_ ribs.
- a) Sterna
  - b) Broken
  - c) True
  - d) False
- Q. 4.** The heart beat is initiated by:
- a) AV node
  - b) SA node
  - c) Bundle of HIS
  - d) Purkinje fibers
- Q. 5.** Bipolar neurons are found in
- a) Embryonic stage
  - b) Retina of eye
  - c) Cochlea of ear
  - d) Cerebral cortex
- Q. 6.** Mitral valve is present between \_\_\_\_\_.
- a) Right atrium and left ventricle
  - b) Left ventricle and aorta
  - c) Left atrium and left ventricle
  - d) Right and left aorta
- Q. 7.** Which of the following is a part of the wrist?
- a) Cuneiform
  - b) Calcaneus
  - c) Talus
  - d) Scaphoid









- Q. 35.** Cellular respiration is performed by:
- a) Ribosomes
  - b) Lysosomes
  - c) Mitochondria
  - d) Chloroplast
- Q. 36.** The lobes of cerebral cortex includes:
- a) Parietal and frontal lobe
  - b) Occipital lobe
  - c) Temporal lobe
  - d) All of the above
- Q. 37.** In the trachea, Columnar epithelium is cilliated and also contains \_\_\_\_\_ which secretes mucus.
- a) Payers Patches
  - b) Goblet cells
  - c) Tyroid gland
  - d) All of the above
- Q. 38.** Skull bones are joined by tight connection called
- a) Sutures
  - b) Marrow
  - c) Sinuses
  - d) Lamellae
- Q. 39.** Nerve cells are called:
- a) Phegocytes
  - b) Neuro cells
  - c) Neuron
  - d) Schwann cells
- Q. 40.** The \_\_\_\_\_ is a component that monitor change in controlled condition and sends the input.
- a) Detector
  - b) Control center
  - c) Receptors
  - d) All of the above
- Q. 41.** The only movable bone of the skull is \_\_\_\_\_.
- a) Frontal bone
  - b) Mandible
  - c) Maxilla
  - d) Occipital

**Q. 42.** The largest lymph organ is:

- a) Stomach
- b) Intestine
- c) Spleen
- d) Tonils

**Q. 43.** Sticky fluid secreted by synovial membrane between joints is called:

- a) Pleural fluid
- b) Synovial fluid
- c) Peritoneal fluid
- d) Pericardial fluid

**Q. 44.** Macrophages in brain are known as:

- a) Monocytes
- b) Kupffer cells
- c) Fibroblasts
- d) Microglial

**Q. 45.** Which of the following lymphoid tissues are not enclosed within a capsule.

- a) MALT
- b) Thymus
- c) Spleen
- d) None

**Q. 46.** Each cardiac cycle lasts approximately for about how many seconds

- a) 0.8
- b) 1.8
- c) 2.8
- d) 3.8

**Q. 47.** Who directs formation of the bipolar spindle during cell division?

- a) Centrosphere
- b) Microtubules
- c) Centrosome
- d) Centriole

**Q. 48.** A joint that permits free movement is called:

- a) Synovial joint
- b) Hinge joint
- c) Pivot joint
- d) Saddle joint

**Q. 49.** The surface of the columnar epithelium lining the small intestine is covered with \_\_\_\_\_.

- a) Microvilli
- b) Cillia
- c) Both
- d) None

**Q. 50.** A \_\_\_\_\_ is an involuntary and immediate motor response to a sensory stimulus.

- a) Reflex arc
- b) Reflex action
- c) Both
- d) None

\_\_\_\_\_

**SPACE FOR ROUGH WORK**