



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.** Golgi apparatus takes part in:
- a) Carbohydrate synthesis
 - b) Lipid packaging
 - c) Oxidative synthesis
 - d) Protein packaging
- Q. 2.** The filament present in Cilia and Flagella are composed of
- a) Microfilament
 - b) Microtubules
 - c) Microfibrils
 - d) Microvilli
- Q. 3.** Ribosomes are made up of _____.
- a) RNA only
 - b) RNA and Protein
 - c) RNA, DNA and Protein
 - d) Nuclie acid, protein and lipids
- Q. 4.** Tunica media is made up of _____.
- a) muscular tissue
 - b) connective tissue
 - c) both a and b
 - d) epithelium tissue.
- Q. 5.** Cell was discovered by:
- a) Robert Hooke
 - b) Robert Swanson
 - c) Leeuwenhoek
 - d) Robert Brown
- Q. 6.** Which of the following organelles is called “sucidal bag” of the cell?
- a) Mitochondria
 - b) Endoplasmic reticulum
 - c) Lysosomes
 - d) Chloroplast
- Q. 7.** How many cervical nerves are there:
- a) C1-C9
 - b) C1-C8
 - c) C1-C7
 - d) C1-C5

- Q. 8.** Valves are present in veins prevent...
- a) Backflow of blood b) Unidirectional blood flow
c) High pressure of blood d) None of the above
- Q. 9.** Largest and the strongest bone of face is
- a) Maxilla b) Parietal
c) Mandible d) Frontal
- Q. 10.** Cellular respiration is performed by:
- a) Ribosomes b) Lysosomes
c) Mitochondria d) Chloroplast
- Q. 11.** The lobes of cerebral cortex includes:
- a) Parietal and frontal lobe b) Occipital lobe
c) Temporal lobe d) All of the above
- Q. 12.** 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. 13.** Skull bones are joined by tight connection called
- a) Sutures b) Marrow
c) Sinuses d) Lamellae
- Q. 14.** Nerve cells are called:
- a) Phegocytes b) Neuro cells
c) Neuron d) Schwann cells

- Q. 15.** 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. 16.** The only movable bone of the skull is _____.
- a) Frontal bone
 - b) Mandible
 - c) Maxilla
 - d) Occipital
- Q. 17.** The largest lymph organ is:
- a) Stomach
 - b) Intestine
 - c) Spleen
 - d) Tonils
- Q. 18.** Sticky fluid secreted by synovial membrane between joints is called:
- a) Pleural fluid
 - b) Synovial fluid
 - c) Peritoneal fluid
 - d) Pericardial fluid
- Q. 19.** Macrophages in brain are known as:
- a) Monocytes
 - b) Kupffer cells
 - c) Fibroblasts
 - d) Microglial
- Q. 20.** Which of the following lymphoid tissues are not enclosed within a capsule.
- a) MALT
 - b) Thymus
 - c) Spleen
 - d) None
- Q. 21.** Each cardiac cycle lasts approximately for about how many seconds
- a) 0.8
 - b) 1.8
 - c) 2.8
 - d) 3.8

Q. 29. The heart beat is initiated by:

- a) AV node
- b) SA node
- c) Bundle of HIS
- d) Purkinje fibers

Q. 30. Bipolar neurons are found in

- a) Embryonic stage
- b) Retina of eye
- c) Cochlea of ear
- d) Cerebral cortex

Q. 31. 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. 32. Which of the following is a part of the wrist?

- a) Cuneiform
- b) Calcaneus
- c) Talus
- d) Scaphoid

Q. 33. The control of room temperature by domestic boiler is an example of _____ feedback mechanism.

- a) Negative
- b) Positive
- c) Neutral
- d) None

Q. 34. The only cell of the body which is devoid of nucleus is.

- a) Mature RBC
- b) Immature RBC
- c) Mature WBC
- d) Immature WBC

Q. 35. Which of the following is an example of cartilage?

- a) Hyaline cartilage
- b) Fibrocartilage
- c) Elastic fibrocartilage
- d) All of the given

- Q. 43.** Squamous epithelium are also known as
- a) Cuboidal epithelium
 - b) Ppavement epithelium
 - c) Stratified epithelium
 - d) Basal epithelium
- Q. 44.** Axon part of neuron is highly modified for which function?
- a) Reception of stimuli from neuron
 - b) Conduction for neuron
 - c) Conduction of impulse away from neuron
 - d) Reception of internal stimuli
- Q. 45.** The compact bone is filled with the soft tissue called:
- a) Red bone marrow
 - b) White bone marrow
 - c) Yellow bone marrow
 - d) None of these
- Q. 46.** How many pairs of spinal nerves are there
- a) 31
 - b) 41
 - c) 38
 - d) 25
- Q. 47.** The fibrocartilage between the articulating surfaces of the bones of the knee joint is called:
- a) Semilunar cartilages
 - b) Hyaline cartilage
 - c) Elastic cartilage
 - d) None
- Q. 48.** Which nerves are attached to the brain and emerge from the skull?
- a) Cranial nerves
 - b) Thoracic nerves
 - c) Sacral nerves
 - d) Spinal nerves

Q. 49. _____ is a fluid connective tissue.

- a) Hyaline cartilage
- b) Bone
- c) Muscle
- d) Blood

Q. 50. Tissue is a _____.

- a) Group of organ
 - b) Group of cell
 - c) Group of tissues
 - d) Group of organisms
- _____

SPACE FOR ROUGH WORK