



- Notes :
1. Illustrate your answer necessary with the help of neat sketches.
 2. All questions are compulsory.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.
 4. Solve all questions.

- I. 1) Which of the following material is present in the Nucleus as well as in cytoplasm. **20**
- a) RNA
 - b) DNA
 - c) Nucleic Acid
 - d) None of these
- 2) Which of the following cell organelle is also known as suicide bag of the cell.
- a) Lysosome
 - b) Ribosome
 - c) Golgi complex
 - d) All of these
- 3) Multilobed nucleus is present in.
- a) All cells
 - b) RBC
 - c) WBC
 - d) Somatic Cells
- 4) Which type of Tissue formula thin surface for gas exchange in the lungs.
- a) Cuboidal epithelium
 - b) Squamous epithelium
 - c) Columnar epithelium
 - d) Glandular epithelium
- 5) Matrix of the connective tissue is secreted by
- a) Fibrocytes
 - b) Histocytes
 - c) Mast cell
 - d) Plasma cell
- 6) In man thickest skin is found in.
- a) Palm
 - b) Thigh
 - c) Sole
 - d) Thumb
- 7) Keralin found in the skin is kind of.
- a) Scleroprotein
 - b) Mucoprotein
 - c) Lipoprotein
 - d) Glycoprotein
- 8) The Basic unit of muscle contraction is.
- a) Tropomyosin
 - b) Myosin
 - c) Actin
 - d) Sarcomere
- 9) In Humans, the cardia output is about.
- a) 6040ml
 - b) 5040ml
 - c) 2080ml
 - d) 3080ml
- 10) The value present between the right atrium and right ventricle is known as.
- a) Tricuspid valve
 - b) Bicuspid valve
 - c) Mitral valve
 - b) Semilunar valve

- 11) Which of the following waves in ECG makes the end of ventricular systole.
 - a) P-Wave
 - b) Q-wave
 - c) QRS wave
 - d) F-wave
- 12) Angina pectoris is a major symptoms of
 - a) Myocardial infarction
 - b) Cyanosis
 - c) High blood pressure
 - d) Low blood pressure
- 13) T-lymphocytes mature in.
 - a) Bone marrow
 - b) Lymph nodes
 - c) Bursa of fabricius
 - d) Thymus
- 14) Lymph nodes.
 - a) Filter the lymph
 - b) Contain phagocytic cells
 - c) Responsible for lymphocyte activation
 - d) All of these
- 15) Supply of blood from heart to lungs and back to Heart is called.
 - a) Systemic circulation
 - b) Pulmonary circulation
 - c) Single circulation
 - d) Double circulation
- 16) How many pairs of cranial nerves are present.
 - a) 12
 - b) 10
 - c) 14
 - d) 11
- 17) Nerve cell body of preganglionic fibre of sympathetic nervous system originates from.
 - a) Brain
 - b) Spinal cord
 - c) Sympathetic chain
 - d) All of the above
- 18) Sensory Hair cell are present in.
 - a) Cristae
 - b) Maculae
 - c) Cochlea
 - d) All of the above
- 19) ----- is called as pacemaker of the heart.
 - a) S.A. Node
 - b) A. V. Node
 - c) Bundle of His
 - d) Purkinje fibres
- 20) Protein present in plasma involved in coagulation is.
 - a) Albumin
 - b) Globulin
 - c) Fibrinogen
 - d) Collagen

2. Answer two out of three.

- 1) Enlist the various Tissue? Describe the silent features of connective tissue. Explain the structure and function of loose connective tissue. **10**
- 2) Explain the structure and function of cranio-sacral outflow or structure of human eye. **10**
- 3) Define and explain the composition and function of Blood. **10**

3.

Answer seven out of nine.

7x5
=35

- 1) Write the structure and function of plasma membrane.
- 2) Explain the regulation of blood pressure.
- 3) Write the function of skin.
- 4) Explain the inner structure of Ear.
- 5) Write the salient features and function of Axial skeletal system.
- 6) Explain the ABO Blood gp system and significance of Rh factor.
- 7) Explain the conduction system of Heart.
- 8) Explain the Normal Electro cardiogram.
- 9) Explain the structure and function of synovial joint with example.
