

CBME**DR. NTR UNIVERSITY OF HEALTH SCIENCES: AP-VIJAYAWADA-520 008****MBBS DEGREE EXAMINATION – JAN/FEB, 2022****FIRST M.B.B.S. EXAMINATION****PHYSIOLOGY – PAPER-I (SET-A)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions**

SECTION – I (MCQs- 20 MARKS)**1x20=20**

1) The medullary stage of hemopoiesis starts in:

- a. 5th month of fetal life
- b. 7th month of fetal life
- c. 9th week of fetal life
- d. After birth

2) Iron deficiency anemia is

- a. Macrocytic hypochromic
- b. Microcytic hypochromic
- c. Normocytic hypochromic
- d. Normocytic normochromic

3) Which of the following chemical is not released from dense granules of platelets?

- a. ADP
- b. Fibronectin

- c. Serotonin
- d. Calcium

4) In clotting mechanism via intrinsic and extrinsic pathway, the key reaction is:

- a. Formation of thrombin
- b. Formation of fibrin
- c. Formation of prothrombin activator
- d. Conversion of factor X to Xa

5) Dicoumarol acts by:

- a. Chelating calcium
- b. Inhibiting thrombin activity
- c. Inhibiting plasmin activators
- d. Inhibiting Vitamin K

6) Conduction velocity of cardiac impulse is highest in which part of conducting system?

- a. Intermodal pathway
- b. His bundle
- c. Purkinje fibers
- d. Bundle branches

7) Ejection fraction of the ventricle refers to the ratio of:

- a. Amount of blood received to amount of blood ejected
- b. Stroke volume to end diastolic volume
- c. End-systolic volume to end diastolic volume
- d. Stroke-volume to end systolic volume

8) Bradycardia is seen in

- a. Beriberi
- b. Anemia
- c. Myxedema
- d. Paget's disease

9) The common artery involved in cerebral hemorrhage is:

- a. Lenticulostriate branch of middle cerebral artery
- b. Posterior basilar artery
- c. Anterior cerebral artery
- d. Middle meningeal artery

10) 'a' wave of jugular venous pulse is caused by

- a. Atrial systole
- b. Ventricular systole
- c. Atrial diastole
- d. Ventricular diastole

11) Surfactant is produced by:

- a. Type II pneumocytes
- b. Type I pneumocytes
- c. Macrophages
- d. Endothelial cells

12) Timed-vital capacity of FEV1 is < 70% in:

- a. Bronchial asthma
- b. Bronchitis
- c. Pulmonary fibrosis
- d. Lung collapse

13) Ventilation perfusion ratio is maximum at:

- a. Apex of lung
- b. Base of lung
- c. Posterior lobe of lung
- d. Middle of the lung

14) The pacemaker of respiration is:

- a. Dorsal nuclear group
- b. Apneustic centre
- c. Pneumotaxic centre
- d. Pre Botzinger complex

15) Carbon monoxide poisoning is a type of:

- a. Anaemic hypoxia
- b. Histotoxic hypoxia
- c. Hypoxic hypoxia
- d. Stagnant hypoxia

16) Which is true about juxtamedullary nephrons?

- a. Accounts for 85% of total nephrons
- b. Length of Loop of Henle is short

- c. Efferent arteriole forms vasa recta
- d. Renin content is less

17) Substrate which is both secreted and filtered

- a. Uric acid
- b. Glucose
- c. Urea
- d. Na^+

18) Water reabsorption that occurs secondary to solute reabsorption is called:

- a. Obligatory reabsorption
- b. Facultative reabsorption
- c. Complementary reabsorption
- d. Compulsive reabsorption

19) Which part of kidney tubule plays less role in acidification of urine?

- a. DCT
- b. Loop of Henle
- c. PCT
- d. Collecting duct

20) Spastic neurogenic bladder is seen in:

- a. Spinal cord transaction
- b. Deafferentation
- c. Denervation
- d. Bladder tumor