

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 3

Topic :- Body Fluids And Circulation

- Find out the wrong match
 - Eosinophils – Allergic response
 - Basophils – Secrete histamine and serotonin
 - Neutrophils – Phagocytic and destroy foreign organisms
 - Monocytes – Secrete heparin
- Select the lymphoid organs from the given choices
 - Lymph node
 - Thymus gland
 - Red bone marrow
 - liver
 - Spleen
 - Osteocytes
 - Peyer's patchesThe correct option with correct choices is
 - I, II, III and IV
 - III, IV, V and VI
 - IV, V, VI and VII
 - I, II, IV, V and VII
- Exchange of gases, nutrient, etc., between the blood and the cells takes place through
 - RBC
 - WBC
 - Interstitial fluid
 - Intrastitial fluid
- Formed elements present in the human blood are
 - erythrocytes
 - leucocytes
 - platelets
 - plasma
 - plasmaChooses the correct option
 - I, II and III
 - II, III and IV
 - III, IV and V
 - I, II, III, IV and V
- The opening of auricles and ventricles on the right side is guarded by
 - Tricuspid valve
 - Bicuspid valve
 - Semilunar valve
 - Eustachian tube
- In humans, RBCs are formed in
 - Red bone marrow
 - Heart
 - Lungs
 - Yellow bone marrow
- In frog's heart, there are cardiac muscles, which consists of fibres called
 - Purkinje fibres
 - Myonemes
 - Telodendria
 - Columnae carnae

8. Bicuspid valves are found in between
 a) Right ventricle and right auricle
 b) Right ventricle and left auricle
 c) Left ventricle and left auricle
 d) Right ventricle and left auricle
9. Among the following stem cells, which are found in the umbilical cord?
 a) Embryonic stem cells
 b) Adult stem cells
 c) Cord blood stem cells
 d) All of these
10. Congestion of the lungs is one of the main symptoms in
 a) Hypotension
 b) Coronary artery disease
 c) Angina
 d) Heart failure
11. ECG is a graphical representation of the electric activity of the heart during
 a) Cardiac systole
 b) Cardiac diastole
 c) Cardiac cycle
 d) Ventricular and atrial diastole
12. Which is correct for artery?
 a) Thick-walled in which blood flows at high pressure
 b) Thin-walled and blood flow with low pressure
 c) Thick-walled and blood flow with low pressure
 d) None of the above
13. Human blood consists of
 a) Fluid matrix b) Plasma c) Formed elements d) All of the above
14. Identify whether the given statements are true or false for double circulation
 I. It checks the mixing of oxygenated and deoxygenated blood
 II. It carries only oxygenated blood
 Choose the correct option accordingly
 a) I-False, II-False b) I-True, II-True c) II-False, True d) II-True, False
15. I. Neutrophils II. Eosinophils
 III. Basophils IV. Lymphocytes
 V. Monocytes
 Identify whether the given cell types are granulocytes (A) and agranulocytes (B) and choose the correct option accordingly
 A B
 a) I,II,III IV,V b) I,III,IV II,V
 c) IV,V I,II,III d) II,V I,III,IV

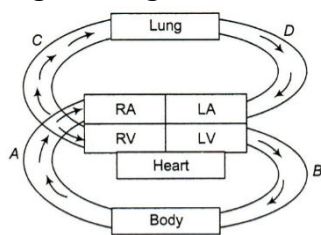
16. To obtain a standard ECG, the patient is connected to the machine with three electrical leads. These three electrical lead are connected as one each to the
- a) Biceps and third one at the ankle b) Triceps and third one at the ankle
 c) Thigh and third one at the ankle d) Wrist and third one at the ankle

17. Properties of human RBCs are
- I. devoid of nucleus
 - II. formed in bone marrow
 - III. possess healing properties
 - IV. biconcave in shape
 - V. help in blood clotting
- Choose the option with correct properties

- a) I, II and III b) I, II and IV c) III, IV and V d) III, II and IV

18. Erythrocytes of adult rabbit and other mammals are formed in
- a) Liver b) Spleen c) Kidney d) Red bone marrow

19. In given diagram which one is vena cava?



- a) A b) B c) C d) D

20. The following are the branches of dorsal aorta
- I. Intercostal
 - II. Phrenic
 - III. Coeliac
 - IV. Anterior mesenteric
 - V. Posterior mesenteric

- Of these which set of arteries supply the blood to the glands of digestive system?
- a) I and II b) III and IV c) IV and V d) II and III