

**ETERNAL CAREER CLASSES****SUBJECT : BIOLOGY (Body Fluid and Circulation)****DATE : 07.02.2023****CLASS : TARGET NEE-2023**

1. Largest number of white blood corpuscles are
  - (a) Eosinophils
  - (b) Basophils
  - (c) Neutrophils
  - (d) Monocytes
2. Haemoglobins of human foetus
  - (a) Has two protein subunits instead of four
  - (b) Has higher affinity of oxygen than that of the adult
  - (c) Has lower affinity of oxygen than that of the adult
  - (d) Its affinity for oxygen is the same as that of an adult
3. What is correct about ECG ?
  - (a) P – depolarisation of atria
  - (b) R – repolarisation of ventricles
  - (c) T – start of systole
  - (d) T – end of diastole
4. In order for the blood to flow right ventricle to left ventricle in mammalian heart, it must flow through
  - (a) Right ventricle, pulmonary arteries, lungs, pulmonary veins, left atrium
  - (b) Right ventricle, pulmonary veins, lungs, pulmonary arteries, left atrium
  - (c) Right ventricle, right atrium, lungs, pulmonary veins, left atrium
  - (d) Right ventricle, systemic aorta, lungs, pulmonary veins, left atrium
5. Given below are four statements, a—b, regarding human blood circulatory system. Find the correct one.
  - (i) Arteries are thick-walled and have narrow lumen as compared to veins
  - (ii) Angina is acute chest pain when the blood circulation to brain is reduced
  - (iii) Persons with blood group AB can donate blood to any person with any blood group under ABO system
  - (iv) Calcium ions play a very important role in blood clotting
  - (a) (i) and (ii)
  - (b) (i) and (iv)
  - (c) (ii) and (iii)
  - (d) (iii) and (iv)
6. If due to some injury, chordae tendinae of tricuspid valve of the heart are partially non-functional, what will be the immediate effect ?
  - (a) The 'Pacemaker' will stop working
  - (b) Blood will tend to flow back into left atrium
  - (c) Flow of blood into pulmonary artery will be reduced
  - (d) Flow of blood into aorta will be slowed down
7. Blood corpuscles containing both A and B antigens are mixed with another blood serum. The blood corpuscles agglutinated. Blood serum belong to blood group
  - (a) A
  - (b) B
  - (c) AB
  - (d) O
8. The first heart sound is
  - (a) Lub during closure of semilunar valves
  - (b) Dub during closure of semilunar valves
  - (c) Lub during closure of atrioventricular valves
  - (d) Dub during closure of atrioventricular valves
9. QRS complex of a standard ECG represents
  - (a) Excitation of depolarisation of atria
  - (b) Depolarisation of ventricles
  - (c) Repolarisation of ventricles
  - (d) None of the above
10. To obtain a standard ECG, a patient is connected to the machine by three electrodes
  - (a) One to each wrist and to the left ankle
  - (b) One to each ankle and to the left wrist
  - (c) One to each wrist and to the left wrist region
  - (d) One to each ankle and to the left chest region
11. What is correct regarding blood pressure ?
  - (a) 105/50 mm Hg makes one very active
  - (b) 100/55 mm Hg is considered an ideal blood pressure
  - (c) 190/110 mm Hg may harm vital organ like brain and kidneys.
  - (d) 130/90 mm Hg is considered as high and requires treatment.
12. Arteries are best defined as vessels which
  - (a) Break up into capillaries which reunite to form a vein
  - (b) Carry blood away from heart to different organs
  - (c) Supply oxygenated blood to different organs

