

Class : XI<sup>th</sup>  
Date :

Subject : BIOLOGY  
DPP No. : 5

## Topic :- Body Fluids And Circulations

- The blood pumped by the ...A... ventricle enters the ...B... artery, whereas the ...C... ventricle pumps blood into the ...D...  
Choose the correct option for A, B, C and D  
a) A-right, B-pulmonary, C-left, D-aorta      b) A-left, B-pulmonary, C-right, D-aorta  
c) A-left, B-pulmonary, C-right, D-vena cava      d) A-right, B-pulmonary, C-left, D-vena cava
- The deposition of lipids on the wall lining, the lumen of large and medium-sized arteries is referred to as  
a) Deep vein thrombosis      b) Stokes-Adam's syndrome  
c) Osteoporosis      d) Atherosclerosis
- Which test tube is not used from the given option for keeping the blood in non-coagulated state? (for analysis of blood corpuscles)  
a) Test tube with heparin      b) Test tube with calcium bicarbonate  
c) Test tube with sodium oxylate      d) Test tube with low temperature
- The closed circulatory system is found in  
a) Insects      b) Lobsters      c) Frog      d) Clams
- SA node is called the pacemaker of heart because  
a) It can change the contractile activity generated by AV node  
b) It delays the transmission of impulse between the atria and ventricles  
c) It gets stimulated when it receives neural signals  
d) It initiates and maintains the rhythmic contractile activity of heart
- A substance present over the surface of RBCs and is genetically heritable is called as  
a) Blood group      b) Haemoglobin      c) Antibody      d) None of these
- Tachycardia is  
a) Fast heart rate      b) Slow heart rate      c) Stop heart rate      d) Normal heart rate

8. In amphibians and reptiles, the ...A... atrium receives oxygenated blood from the gills/lung/skin and ...B... atrium gets the ...C.... blood from other body parts  
Choose the correct option for A, B and C
- a) A-right, B-left, C-deoxygenated                      b) A-right, B-left, C-oxygenated  
c) A-left, B-right, C-deoxygenated                      d) A-left, B-right, C-oxygenated
9. Which blood vessels carry blood from different parts of your body to the heart?
- a) Capillaries                      b) Arteries                      c) Veins                      d) All of these
10. The vein that does not directly open into the heart is
- a) Pre-caval                      b) Post-caval                      c) Pulmonary                      d) Posterior mesenteric
11. Which one of the following has an open circulatory system?
- a) *Pheretima*                      b) *Periplaneta*                      c) *Hirudinaria*                      d) *Octopus*
12. Purkinje fibres are present in
- a) Brain                      b) Heart                      c) Blood                      d) Lungs
13. Pulmonary circulation is
- a) Left auricle  $\xrightarrow[\text{blood}]{\text{Oxygenated}}$  Lungs  $\xrightarrow[\text{blood}]{\text{Deoxygenated}}$  Right ventricle  
b) Left auricle  $\xrightarrow[\text{blood}]{\text{Deoxygenated}}$  Lungs  $\xrightarrow[\text{blood}]{\text{Oxygenated}}$  Right ventricle  
c) Right ventricle  $\xrightarrow[\text{blood}]{\text{Deoxygenated}}$  Lungs  $\xrightarrow[\text{blood}]{\text{Oxygenated}}$  left auricle  
d) Right ventricle  $\xrightarrow[\text{blood}]{\text{Oxygenated}}$  Lungs  $\xrightarrow[\text{blood}]{\text{Deoxygenated}}$  left auricle
14. Which one of the following statements is correct regarding blood pressure?
- a) 100/55 mmHg is considered an ideal blood pressure  
b) 105/50 mmHg makes one very active  
c) 190/110 mmHg may harm vital organs like brain and kidney  
d) 130/90 mmHg is considered high and requires treatment
15. The heart muscles are
- a) Striated and involuntary                      b) Striated and voluntary  
c) Smooth and involuntary                      d) Non-striated and involuntary
16. Patient with unknown blood group needs immediate blood transfusion. In this case, which blood do you suggest to give that patient immediately?
- a) Blood group-B                      b) Blood group-AB                      c) Blood group-A                      d) Blood group-O
17. The second step in the coagulation of blood is catalyzed by
- a) Thrombin                      b) Factor-XIII                      c) Factor-XII                      d) Heparin

18. The wall of the ventricles are much thicker than that of atrium because
- a) It has to pump the blood
  - b) It has to receive the blood
  - c) It is present below the atrium
  - d) It has to store the blood
19. Sequence of electrical impulse in heart beat is
- a) AV node → pacemaker → auricles → ventricles
  - b) Ventricle → pacemaker → AV node → auricle
  - c) Pacemaker → atria → AV node → ventricle
  - d) Pacemaker → AV node → atria → ventricle
20. Which chamber of the human heart has the thickest muscular wall?
- a) Left auricle
  - b) Left ventricle
  - c) Right auricle
  - d) Right ventricle

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