

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 10

Topic :- Body Fluids and Circulation

- Cardiac output is
 - Stroke volume \times Heart rate = 72 mL/m
 - Stroke volume \times Heart rate = 5 L/m
 - Stroke volume \times Heart rate = 500 mL
 - Stroke volume \times Heart rate = 3 L/m
- In bird and mammals, the oxygenated blood received by ...A... and deoxygenated blood receive by ...B... . The ventricles pump in out without any mixing up of oxygenated and deoxygenated blood
Choose the correct option for A and B
 - A-left atria, B-right atria
 - B-right atria, A-left atria
 - A-right ventricle, B-left ventricle
 - A-left ventricle, B-right ventricle
- Foramen ovale
 - Connects the two atria in the foetal heart
 - Is a condition in which the heart valves do not completely close
 - Is a shallow depression in the interventricular septum
 - Is a connection between the pulmonary trunk and the aorta in the foetus
- The name of the pace maker of heart is
 - Lymph node
 - SA node
 - Juxtaglomerular apparatus
 - Semilunar valve
- Hepatic portal system is a
 - Vascular connection between the digestive tract and liver
 - Vascular connection between the liver and lungs
 - Vascular connection between the spleen and liver
 - Vascular connection between the digestive tract and spleen
- Ventricles are related to
 - Heart only
 - Brain only
 - Both (a) and (b)
 - None of these

15. Haemoglobin molecule is made up of
a) One α -chain and one β -chain
b) Two α -chains and two β -chains
c) Two α -chains and one β -chain
d) One α -chain and two β -chains
16. Arteries are best defined as the vessels which
a) Carry blood away from the heart to different organs
b) Break up into capillaries which reunite to form a vein
c) Carry blood from one visceral organ to another visceral organs
d) Supply oxygenated blood to the different organs
17. Autoexcitable fibres/nodes are called
a) Nodal musculature b) Cardiac nerves c) Neurons d) All of these
18. The name Rh blood group is derived from
a) Chimpanzee b) Monkey c) Man d) Primitive man
19. A specialised cardiac musculature called ...A... tissue is also distributed in the heart. A patch of this tissue is present in the right upper corner of the right atrium called ...B... . Another mass of this tissue is seen in the lower left corner of the right atrium close to the atrio-ventricular septum called ...C...
Choose the correct option for A, B and C
a) A-Nodal tissue, B-SAN, C-AVN b) A-Nodal tissue, B-AVN, C-SAN
c) A-AVN, B-Nodal tissue, C-SAN d) A-SAN, B-AVN, C-Nodal tissue
20. Advantage of closed circulatory system is that
a) Exchange occurs more rapidly
b) Flow of blood more precisely regulated
c) It can support high metabolic activity
d) All of the above