



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: LIFE SCIENCE

Class: VIII Date: 02.05.2020

Chapter- 4–The Circulatory System

FM: 15

WORKSHEET – 23

(1x15=15)

- i) Which of the following chambers in the heart contracts first?
(1) Left auricle (2) Both auricles (3) Left ventricles (4) Both ventricles
- ii) The ventricles contract to push blood into
(1) Aorta (2) Pulmonary artery (3) Pulmonary veins (4) Both (1) and (2)
- iii) The entire process of contraction and relaxation of the auricles and ventricles of the heart is called-
(1) Cardiac cycle (2) Pulmonary cycle (3) Hepatic cycle (4) Gastric cycle
- iv) The left auricle relax to let blood in from -
(1) Superior venacava (2) Inferior venacava (3) Pulmonary artery (4) Pulmonary vein
- v) The cardiac cycle takes-
(1) 2 seconds (2) more than 2 seconds (3) Less than 1 second (4) 1 second
- vi) The cardiac cycle is repeated with every
(1) Expiration (2) Heartbeat (3) Inspiration (4) None of these
- vii) Cardiac muscles generate their own _____ signal
(1) Chemical (2) Electrochemical (3) Electrical (4) All of these
- viii) Which of the following is a special group of cardiac muscles that generate electrical impulses?
(1) Atrial muscles (2) Sinoatrial Node (3) AtrioVentricular node
(4) Both (2) and (3)
- ix) Which of the following controls the speed rhythm of the heartbeat?
(1) Circadian clock (2) Pacemaker (3) Stent (4) None of these
- x) Which of the following is present at the interatrial septum?
(1) Sinoatrial Node (2) Sinoventricular node (3) Atrioventricular node (4) All of these
- xi) In which of the nodes, the signals are delayed to allow the ventricles to fill with blood?
(1) Sinoatrial Node (2) Atrioventricular node (3) Sinoventricular node (4) None of these
- xii) Which of the following is not a part of the electrical conduction system of the heart
(1) Sino atrial node (2) Atrioventricular node (3) Sinoventricular node (4) Both (1) and (2)
- xiii) Which of the following is the primary pacemaker of the heart?
(1) SinoAtrial Node (2) Atrioventricular node (3) Purkinje Fibres (4) Bundle of His
- xiv) The signals that stimulates the atria to contract are generated from
(1) Sino Atrial Node (2) Atrioventricular node (3) Both (1) and (2) (4) None of these
- xv) In which of the following situations an artificial pacemaker is inserted?
(1) Heart beats too slow (2) Heart beats too fast (3) Heart beats irregularly (4) All of these

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