



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) SinoAtrial 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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