

**CVS – MID 9/2/2019**

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**Special thanks to everyone who contributed in listing these questions and answers.**

1. In myocardial infraction, which of the following isoenzyme of LDH increased in blood significantly?

**LDH1**

1. Which of the following is the most important source of energy for the heart muscle?  
   **Fatty acids**
2. Esophagus tumors commonly affect the:

**Left atrium**

1. Most common tumor in adults :  
   **Myxoma**

1. Acetoacetate is converted to BHG during ethanol toxicity?
   1. **conversion of ethanol to acetaldehyde**
   2. lack of NAD**+**
2. Not part of superior mediastinum :  
   **Ascending aorta**
3. lowest pressure In supine position:  
   **Vena cava**
4. Concerning osler’s node, which one of the following is incorrect :  
   **Janeway lesions are of immunologic origin(Ans)**
5. Libman-sacks endocarditis mostly involve:  
   A) Mitral and aortic valves   
   b) Mitral and tricusp  
   C) Pulmonary valve  
   D) Aortic and pulmonary
6. **Correct**
7. Which of the following is correct concerning rheumatic fever:  
   A) Disease involve brain, skin and heart  
   b) Autoimmunity disease....
8. **Correct**
9. Which of the following Is the least etiologic agent in infective endocarditis :  
   A) Candida  
   b) Streptococci  
   C) Staphylococcus aureus  
   D) HACEK group

1. **Correct**
2. First part of ventricles to be stimulated is :  
   **Base of the septum**
3. Which of the following is the same in one blood vessel:  
   **Compliance and capacitance**
4. Normal range of PR interval  
   A) 120 - 200  
   b) 160-200  
   C) 180-240  
   D) 120-240
5. **Correct**
6. Quinidine is the prototype class IA drug. Similar to class III activity, predict its action:  
   **Slows conduction velocity and increases refractoriness .**
7. Mexiletine is used in combination with Amiodarone to treat :  
   **Ventricular arrhythmias**
8. **Case**: drug that prevent life threatening ventricular Arrhythmias following MI :  
   **Metoprolol**
9. What is false about Amiodarone:  
   **Short half-life**
10. What is false "drug-use":   
    A) Digoxin treat ventricular arrhythmias caused by sympathetic stimulation   
    b) Diltiazem treat reentrant supraventicular tachycardia  
    C) Magnesium treat fatal arrhythmias torsades de pintes and digoxin induced arrhythmia  
    D) adenosine: abolishing acute SVT
11. **Correct**
12. Sigmoid colon blood supply from ?  
    **Inferior mesenteric**

1. Surgeon wants to make surgery on the bifurcation of trachea ,in which part of mediastinum it is located ?  
   **Middle inferior mediastinum**
2. We can increase CI (cardiac index) by decreasing :  
   **peripheral resistance**
3. Cardiac index increase by decreasing?

**maximum ventricular contraction during st segment**

1. Decreasing venous blood pressure by :  
   **decreasing CFP**
2. Which of the following is accompanied with hypertrophic cardiomyopathy ?  
   **Aortic stenosis**
3. Most common cause of cardiomyopathy ?  
   **Idiopathic**
4. Resting of ventricles and atria occur in :  
   **TP interval**
5. What is the common between stage 3 heart block and atrial fibrillation?

**irregular RR interval**

1. Av valves are open in which parts on ECG ?   
   **TP and PR intervals**
2. Minimum ventricular contraction during ?  
   **T wave**
3. Rapid filling of ventricles take place during?  
   **TP interval**
4. Rapid filling occur due to ?  
   **Pressure gradient between atrial and ventricles**
5. Posterior to the sternoclavicular joint ?  
   **Brachiocephalic veins**
6. Portal vein drains all of following except:  
   **kidney**
7. Cardiac output increase in the frank starling law due to ?

**Increase in blood volume in the ventricles**

1. In acute Rheumatic fever migratory arthritis, start from:

**leg joint**

1. Injury in the distal anteromedial side of forearm with pulsatile bleeding, which blood vessel is affected?  
   **ulnar artery**
2. Sigmoid sinuses follows a tortuous course to the jugular foramen, at which point the sinus becomes continuous with the:.  
   **Internal jugular vein**
3. Blood vessel in the right atrium its openings are guarded by endocardial flap?  
   **coronary sinus**   
   *NOTE: inferior Vena cava not one of the options*
4. Pulmonary valve lies :  
   **Anterosuperior to aortic valve to left but roughly at right angle**
5. Which one of the following is not at the sternal angle level:
6. superior medastinum is separated from inferior mediastinum
7. end of Ascending aorta and the arch of aorta begin
8. 2 costal cartilage articulate with sternum
9. 3 costal cartilage articulate with sternum

**(D) correct**

1. Which vein form behind the sternal ends of sternoclavicular joints:   
   **Brachiocephalic vein**
2. Which branch come from behind of abdominal aorta:
3. gonadal arteries
4. lumber arteries
5. Renal arteries
6. median sacral artery
7. **correct**
8. Stool sample contain blood... Which artery supply Sigmoid:
9. Inferior mesenteric artery
10. Superior mesenteric artery
11. Splanchnic
12. **correct**
13. Most distensible blood vessel:  
    **Vein**
14. Infective endocarditis:

**positive culture and positive physical findings**

1. All conductive system having the same…………… in normal person:  
   **de and re polarization**

1. we can decrease venous return by:
2. increases k concentration
3. increase CFP
4. angiotensin

**(A) correct**