

CARDIOVASCULAR SYSTEM – SGD QUESTIONS

1.
 - a. Discuss the etiopathogenesis of atherosclerosis.
 - b. Draw a labelled diagram depicting the histological appearance of the same.
 - c. What are the possible complications that may arise due to the presence of plaques in different arteries?

2. A 65 -year-old man has experienced severe chest pain for the past 6 hours, radiating to left arm. On physical examination, he was afebrile, but had tachycardia. ECG shows ST elevation. A coronary angiogram was also performed.
 - a. What is your probable diagnosis?
 - b. Describe the gross and microscopic findings of the lesion.
 - c. Discuss the laboratory findings with emphasis on cardiac biomarkers.
 - d. What are the complications expected in this condition?

3. A 32-year-old pregnant woman at 35 weeks of gestation was rushed to the hospital with a history of recent onset breathlessness, palpitation and pitting type of pedal edema. Her BP was 170/110 mm of Hg. Her investigations revealed CBC, thyroid and renal functions tests within normal limits. ECG revealed severe mitral regurgitation, left atrial dilatation with pulmonary hypertension. She gave a history of migratory polyarthritits in her childhood, following an episode of sore throat for which she was under penicillin prophylaxis.
 - a. What is your diagnosis?
 - b. Describe the pathophysiology of the condition.
 - c. Discuss the morphological changes in heart.
 - d. What is the diagnostic criteria for this condition?

- 4. Describe the cardiac vegetations and discuss the differences between the four major pathological lesions causing them.**
- 5. Describe the pathogenesis and diagnostic criteria for infective endocarditis.**