

The first question : (12 Marks)

Complete the following

- 1- In treatment of heart failure,..... is now reserved for control of ventricular rhythm in patients with atrial fibrillation.
- 2-is the procedure of choice if the diagnosis of peptic ulcers.
- 3-and causes severe epigastric pain and recurrent vomiting in children .
- 4- In diabetes mellitus , fasting plasma glucose isand two hours after glucose load is

The second question : (5 Marks)

Define the following :

- 1- Peptic ulcer
- 2- Right side heart failure
- 3- Left side heart failure

The third question : (12 Marks)

Write short notes

- 1- Causes and treatment of peptic ulcer .
- 2- Complication of diabetes mellitus

The fourth question: (12 Marks)

Contrast between the following

- 1- Gastric and duodenal ulcers
- 2- Type 1 and type 2 diabetes mellitus

The fifth question : (35 Marks)

Give full account on the following:

- 1- Role of measurement of glycated hemoglobin and serum fructosamine in diabetes mellitus
- 2- Sulphonylureas; mechanism of action , indications for use
- 3- Side effects of insulin therapy
- 4- Factors that precipitate heart failure in patient with pre- existing heart failure .
- 5- Role of beta blockers in treatment of heart failure .
- 6- Causes of heart failure .
- 7- Role of laboratory tests in peptic ulcers

Good luck