**Dr Mohd Abu Zaid**

**6th Assignment for B.Sc. Medical Lab technology (pathology) Semester 4 subject - Clinical Enzymology and BSc MLT 3rd year subject Clinical Biochemistry-II**

**Fill ups**

1. C-Reactive protein is considered to be a marker of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ process.
2. Choline isreleased after activation of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ during ischemia.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is released when neutrophils aggregate and may indicate an active inflammatory response.
4. If myoglobin is to be used in detecting AMI, it must be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hours,
5. Leukocyte aggregation, which may occlude the microvasculature contribute to the phenomenon called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Short notes**

1. Explain what do you mean by reperfusion
2. Explain why Troponin C is not used as cardiac marker
3. What is reperfusion injury
4. Explain the Role of Placental Growth Factor as potential cardiac marker
5. Write a note Lipoprotein-Associated Phospholipase A2 (LpPLA2)
6. Describe the changes in serum CK, myoglobin and troponins with time after MI.

**Essay type questions**

1. Explain the factors that contribute to reperfusion injury.
2. Write a note on Consequences and Complications of Myocardial Infarctio?.
3. Write a note on various potential cardiac markers?
4. Write a note on treatment of MI?