
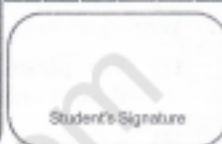



DZ-4005
First Year M. B. B. S. Examination
June / July - 2016
Biochemistry : Paper-I

 Time : $2\frac{1}{2}$ Hours]

[Total Marks : 40

Instruction :

ઉપર લખેલ નિર્દેશોનું ચોક્કસ ધ્યાન રાખવું. Fillup strictly the details of  along on your answer book.		Seat No. :
Name of the Examination : F. Y. M. B. B. S.		 Student's Signature
Name of the Subject : BIOCHEMISTRY : PAPER-1		
Subject Code No. : 4 0 0 5	Section No. (1, 2,) : Nil	

- 1 Write short notes : (2 out of 3) 8
 - (1) Describe electron transport chain and its inhibitors.
 - (2) Describe metabolism of VLDL and LDL.
 - (3) Describe β oxidation of palmitic acid.
- 2 Write in brief : (4 out of 6) 12
 - (1) Protein energy malnutrition
 - (2) Significance of NADPH
 - (3) Metabolic acidosis
 - (4) Gluconeogenesis
 - (5) Utilization of ketone bodies
 - (6) Mucopolysaccharide.
- 3 Read following case and answer the following questions : 10

A 48 year old male was brought to emergency ward with complaints of severe chest pain, breathlessness for last three hours. His total cholesterol was 642 mg/dl, LDL cholesterol was 352 mg/ dl. On the basis of ECG and blood investigation on

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duty doctor diagnosed acute myocardial infarction (AMI). The patient was treated with streptokinase infusion along with other supportive treatment. Patient was discharged after 10 days. At the time of discharge Tab Atrovastatin, Tab Aspirin were prescribed to him along with other drugs

- (1) What is the role of streptokinase in the treatment of AMI ?
- (2) Name two early markers of AMI.
- (3) What is rationale of prescribing aspirin tablets ?
- (4) What are other risk factors for coronary artery disease ?
- (5) Why LDH is not a preferred marker for early diagnosis of AMI ?

4 Write justification in 2-3 lines : (5 out of 7) 10

- (1) For plasma glucose estimation blood is collected in fluoride tubes.
- (2) 2-3 BPG decrease affinity of oxygen with hemoglobin.
- (3) Vitamin D can be considered as hormone.
- (4) Acute alcoholism can trigger gouty arthritis.
- (5) Glucose is added in oral rehydration solution (ORS) given in the treatment of diarrhoea.
- (6) Fibers is an important constituent of diet.
- (7) HDL cholesterol is good cholesterol.