

Department of Biochemistry GMC Surat
 Preliminary exam June 2016 Paper I
 Duration 10 minutes

Name and surname

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Please select the best option. *No negative marks for wrong answer.*

Question 1 All of the following are PUFA Except

- Linolenic acid
 Linoleic acid
 Oleic acid
 Arachidonic acid

Question 2 Rapaport - Lubering cycle is associated with synthesis of

- 1-3 Biphosphoglycerate
 2-3 Biphosphoglycerate
 Phosphoenol pyruvate
 Lactate

Question 3 The ammonium ion excreted in urine are derived from

- Aspartate
 Glutamate
 Glutamine
 Asparagine

Question 4 Which one of the following apoproteins is activated lipoprotein lipase?

- apo C-II
 apo E
 apo A-I
 apo B-48

Question 5 The following glycosaminoglycans is/are responsible for corneal transparency.

- Hyaluronic acid and heparin
 Chondroitin sulphate
 Heparin and heparan sulphate
 Keratan sulphate and dermatan sulphate

Question 6 Omega-3 fatty acid have at least one double bond between

- Third and fourth carbon from -CH₃ side
 Second and third carbon from -CH₃ side
 Second and third carbon from -COOH side
 Third and fourth carbon from -COOH side

Question 7 Which of the following hormone acts as uncoupler?

- Thyroxin
 Insulin
 Epinephrin
 Oxytocin

Question 8 Tetany is associated with the following condition

- Hyperkalemia
 Hypocalcemia
 Hypercalcemia
 Hypokalemia

Question 9 Chronic obstructive pulmonary disease results in

- Respiratory alkalosis
 Respiratory acidosis
 Metabolic alkalosis
 Metabolic acidosis

Question 10 All of the following molecules are synthesised in liver EXCEPT

- Cholesterol
 Immunoglobulins
 Albumin
 Lipoproteins