

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

Name and surname

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

Question 1 The following enzyme defect causes acute intermittent porphyria

- Hydroxymethylbilane synthase
 Uroporphyrinogen III synthase
 Uroporphyrinogen decarboxylase
 Protoporphyrinogen oxidase

Question 2 Beta thalassemia occurs due to

- Faulty splicing
 Faulty editing
 Faulty proof reading
 Excess methylation

Question 3 The following molecule is considered to be the common metabolic end product of carbohydrates, lipid & proteins?

- Succinyl CoA
 Acetyl CoA
 Pyruvate
 Propionyl CoA

Question 4 Lesch-Nyhan Syndrome is caused by the deficiency of the following enzyme

- Adenine phosphoribosyltransferase
 Xanthine oxidoreductase
 Hypoxanthine-guanine phosphoribosyltransferase
 IMP dehydrogenase

Question 5 The enzyme that adds phosphate to the regulatory protein is

- Acetylase
 Phosphotransferase
 Protein phosphatase
 Protein kinase

Question 6 The following amino acid does not exhibit optical isomerism

- Leucine
 Valine
 Glycine
 Alanine

Question 7 Biotin takes part in one of the following types of reactions

- Transamination
 Carboxylation
 Decarboxylation
 Deamination

Question 8 Wilson's disease is associated with reduced concentration of

- Transferrin
 Haptoglobin
 Ceruloplasmin
 Albumin

Question 9 Sickle cell anemia occurs due to

- Silent Mutation
 Missense Mutation
 Frameshift Mutation
 Nonsense Mutation

Question 10 Inhibitory neurotransmitter, GABA is a derivative of

- Glutamine
 Glutamate
 Asparagine
 Aspartate