

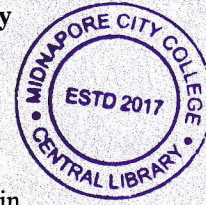
The West Bengal University of Health Sciences 2nd BMLT February - March, 2023 Examination

Subject: Advanced Biochemistry

Time: 3 hrs

Full Marks: 100

Attempt all questions



20 x 1

1. Tick the correct answer :

- a) The hormone which stimulates glycogenesis is :
 i) Glucagon. ii) Epinephrine. iii) Insulin. iv) ADH.
- b) Rate limiting enzyme of glycolysis is :
 i) Hexokinase. ii) Transferase. iii) Phosphofructokinase. iv) Mutase.
- c) Transfer of an amino group from an amino acid to a keto acid is called :
 i) Deamination. ii) Transmethylation. iii) Phosphorylation. iv) Transamination.
- d) Urea cycle occurs in :
 i) Kidney. ii) Liver. iii) Heart. iv) Pancreas.
- e) Example of group I hormone is :
 i) FSH. ii) ACTH. iii) GH. iv) Calcitriol.
- f) Cushing's syndrome is due to :
 i) Hyperactivity of thyroid gland. ii) Hypoactivity of adrenal cortex.
 iii) Hyperactivity of adrenal cortex. iv) Hypoactivity of pancreas.
- g) MSUP is due to deficiency of :
 i) Phenylalanine hydroxylase. ii) Branched chain α -keto acid dehydrogenase.
 iii) Homogentisate oxidase. iv) Tyrosinase.
- h) Inhibitor of α -ketoglutarate dehydrogenase is :
 i) Glucose. ii) Citrate. iii) Arsenite. iv) Lactose.
- i) Number of isozymes of LDH is :
 i) 3. ii) 5. iii) 4. iv) 2.
- j) Precursor of prostaglandin synthesis is :
 i) Linolenic acid. ii) Linoleic acid. iii) Arachidonic acid. iv) Palmitic acid.
- k) Hyponatremia is due to :
 i) Low level of serum potassium. ii) High level of serum calcium.
 iii) High level of serum potassium. iv) Low level of serum sodium.
- l) Rate limiting enzyme of Urea cycle is :
 i) Arginase. ii) Argininosuccinate Synthase. iii) CPSI. iv) Aconitase.
- m) ACP is a diagnostic marker of :
 i) Pancreatic Cancer. ii) Prostate cancer. iii) Renal disease. iv) Heart disease.
- n) The active form of methionine is called :
 i) SAM. ii) PAPS. iii) NAG. iv) NAM.
- o) Ketonuria is :
 i) Presence of ketone body in blood. ii) Presence of urea in urine.
 iii) Presence of ketone body in urine. iv) Absence of keto acid in urine.
- p) Coenzyme of transamination reaction is :
 i) NAD. ii) PLP. iii) FAD. iv) CoA.
- q) Competitive inhibitor of HMG CoA reductase is :
 i) Arsenite. ii) Fluroacetate. iii) Lovastatin. iv) Mevalonate.

P. T. O.

