**Department of Biochemistry**

Sylhet Women’s Medical College

Supplementary Card Completion examination on Roll: **………**

**“Digestion, Absorption & Metabolism”**

SWMC-10 **MCQ**

Full Marks: 10 Time: 10 min Date: 09.09.2015

Write ‘**T**’ for correct answer &’ **F**’ for incorrect answer

|  |  |
| --- | --- |
| **1.The enzymes common to both glycolysis and**  **gluconeogenesis are**  ……..a) Pyruvate kinase  ……..b) Pyruvate carboxylase  ……..c) Hexokinase  ……..d) Phosphoglycerate kinase  ……..e) Fructose 1.6 bisphosphate  **2. Proteolytic enzymes includes-**  ……..a) Amylase  ……..b) Lipase  ……..c) Chymotrypsirogen  ……..d) Carboxypeptidase  ……..e) Lactase  **3. Ketone bodies are utilized in-**  ……..a) RBC  ……..b) Liver  ……..c) Renal cortex  ……..d) cardiac muscle  ……..e) Skeletal muscle  **4. The TCA cycle**  ……..a) Operate under aerobic condition  ……..b) Occurs in the mitochondrial matrix  ……..c) Dose not occurs in red blood cells  ……..d) Is an amphibolic pathway  ……..e) Each turn produces 3 FADH and 1 NADH  **5. Glycolysis -**  ……..a) Occurs in the cell cytosol.  ……..b) Can operate under both aerobic and  anaerobic conditions.  ……..c) Can occur in red cells.  ……..d) Contains three essentially irreversible  reactions.  ……..e) Under aerobic conditions, generates the production of 12 molecules of ATP. | **6. Characteristics of HMP pathway:**  ……..a) It requires ATP for phosphorylation  ……..b) It produces carbondioxde.  ……..c) It is controlled by inhibition of G6PD by  NADPH.  ……..d) It involves the breakage of formation of  c-c bonds  ……..e) It produce ribose 5 – phosphate.  **7. Urea cycle -**  ……..a) Occur in the mitochondria  ……..b)Two nitrogen enter the cycle as NH3 and aspertate.  ……..c) Urea is produced by the hydrolysis of arginine.  ……..d) Cleavage of arginosuccinate require ATP.  ……..e) Causes detoxification of NH3.  **8.Cholestorl is the precursor of -**  ……..a) Bile acids.  ……..b) Bile pigments.  ……..c) Vitamin C.  ……..d) Sex hormones.  ……..e) Cardiac glycolysis.  **9.Examples of intermediary metabolism -**  ……..a) Glycolysis.  ……..b) Digestion.  ……..c) Electron transpoprt chain.  ……..d) Beta oxidation.  ……..e) Urea cycle.  **10. End products of TAG digestion-**  ……..a) Fatty acid.  ……..b) Glycerol.  ……..c) Cholesterol.  ……..d) Lysophospholipids.  ……..e) 2 MAG. |