**Department of Biochemistry**

Sylhet Women’s Medical College

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

**“Digestion, Absorption & Metabolism”**

SWMC-10 **MCQ**

Full Marks: 10 Time: 10 min Date: 27.08.2015

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

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| **1. Electron tansport chain -**  …...a) Located in inner mitochondrial membrane  ..…..b) Located in outer mitochondrial membrane  ……c) Located in mitochondrial matrix  ..….d) Constitue internal respiration  ...…e) It is a protein pump.  **2. Sources of ammonia are -**  …...a) Amino acid  ..…..b) Glutamine  ……c) Amides  ..….d) Glu tathione  ...…e) Purines and pyrimidines  **3. High energy phosphate compounds are -**  …...a) Phosphoenol pyruvate  ..…..b) Glucose 6 - phosphate  ……c) 1,3 bisphosphoglycerate  ..….d) ATP  ...…e) ADP.  **4. Glycolysis**  ……..a) Occurs in the cell cytosol  ……..b) Can operate under anaerobic conditions  ……..c) In red blood cells, generates 2 ATP.  ……..d) Occurs in mitochodria  ……..e) Generates net 8 ATP in aerobic state  **5. Characteristics of HMP shunt pathway:**  …….a) It generates ATP  …….b) It utilizes ATP  …….c) Key enzyme is G6PD.  …….d) Produces pentose sugar  …….e) Produces NAD. | **6. Following are substrate for gluconeogenesis -**  …...a) Lactate  ..…..b) Glucogenic amino acid  ……c) Propionate  ..….d) Glycerol  ...…e) Acetyl CoA.  **7. Pepsionogen is converted to pepsin by -**  …...a) Secratin  ..…..b) HCL  ……c) Gestrin  ..….d) Somatostatin  ...…e) All of above.  **8. Micelles -**  …...a) Are formed by lipids and bile salts  ..…..b) Solubilize lipids  ……c) Transport lipids to enterocytes  ..….d) Contain fatty acids. Monoglycerides and  cholesterol in their hydrophilic part.  ...…e) Are formed by proteins and bile salts.  **9. Ketone bodies are utilized in -**  …...a) Mitochondria  ..…..b) Extrahepatic tissue  ……c) Nuclei  ..….d) Chromosome  ...…e) Cytosol  **10. The Apoproteins in lipoproteins:**  ……..a) Apo B100 in chylomicron  ……..b) Apo B48 VLDL  ……..c) Apo C-II in nascent chylomicron  ……..d) Apo C-II in nascent VLDL  ……..e) Required for receptor recognition |