

## First Professional B.S.M.S Degree Supplementary Examinations January 2024

## (SIDUG-UV) – Uyir Vedhiyiyal (Bio Chemistry)

**(2021 Scheme)**

Time: 3 hrs

Max. Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

## 1. Multiple Choice Questions

(20x1=20)

The Answers to MCQ questions (Q.No. i to Q.No. xx) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only

- The amino acid found in protein structure  
a) Arginine                      b) Proline                      c) Histidine                      d) Lysine
- Lactulose, a synthetic disaccharide is employed to lower elevated plasma ammonium levels  
a) Acute pancreatitis                      b) Hepatic encephalopathy  
c) Nephropathy                      d) Myocardial infraction
- N - formyl methionine is initiator for  
a) Protein synthesis                      b) Fatty acid synthesis  
c) Vitamin synthesis                      d) Carbohydrate synthesis
- Name the compound with the greatest standard free energy  
a) ATP                      b) Phosphocreatine  
c) Cyclic AMP                      d) Phosphoenol pyruvate
- Crigler - Najjar syndrome type I due to defect in  
a) UDP - glucuronyl transferase                      b) Bilirubin glucuronyl transferase  
c) Heme oxygenase                      d) Biliverdin reductase
- One out of the following an inhibitor of complex I in ETC  
a) BAL                      b) H<sub>2</sub>S                      c) Rotenone                      d) Cynaide
- NADPH used in the synthesis of certain amino acid by enzyme  
a) Aspartate transaminase                      b) Alanine transaminase  
c) Glutamate dehydrogenase                      d) Methionine transferase
- Total number of ATP produced by oxidation of palmitic acid  
a) 106                      b) 100                      c) 105                      d) 107
- Carbonyl phosphate synthase is  
a) Cytosol enzyme                      b) Mitochondrial enzyme  
c) Lysosomal enzyme                      d) Ribosomal enzyme
- Daily excretion of Uric acid  
a) 200 - 300mg                      b) 300- 400mg                      c) 500- 700mg                      d) 700- 900mg
- Hyponatremia is condition  
a) Cushing syndrome                      b) Addison's disease  
c) Multiple sclerosis                      d) Cirrhosis

(PTO)

