Sylhet Women’s Medical College

**1st Term Examination** Roll no………..

Subject: **Biochemistry,** MCQ,SWMC-10

Full marks -20 Time – 20 min Date- 12.05.2015

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| **1.The most important buffer of plasma is -**  …. .a) Bicarbonate – carbonic acid  …...b) Haemoglobinate - haemoglobin  …...c) Oxyhaemoglobinate - oxyhaemoglobin  ….. d) Phosphate buffer  …...e) Protein buffer  **2. Amphipathic lipids are -**  .….a) Phospholipids  …. b) Fatty acids  …. c) Bile salts  …. d) Sphingolipids  …..e) Cholesterol  **3. A peptide bond -**  …. .a) Cis-configuration  …...b) Has a partial double- bond character  …...c) Is non-polar  ….. d) Is cleaved by denaturation.  ….. e) Cannot rotate freely  **4. Both ketogenic & glucogenic amino acids are -**  …. .a) Tyrosine  …...b) Isoleucine  …...c) Alanine  ….. d) Proline  …...e) Phenylalanine  **5.**  **Normal solution of H2SO4 contain-**  …...a) 98gm **H2SO4**  .…..b) 36.5 **gm H2SO4**  …...c) 49 **gm H2SO4**  ..….d) 58.5 **gm H2SO4**  ...…e) 196 **gm H2SO4**  **6 . Reducing Sugar -**  …...a) Fructose  .….. b) Maltose  ……c) Glucose  ...….d) Sucrose  ....…e) Galactose  **7. Enzymes** :  …….a) Biocatalysts  …….b) Accelerate the chemical reactions  .……c) Change the equilibrium  .……d) Not always protein in nature  .……e) Usually protein in nature  **8. Colloids-**  …….a) Retained by parchment membrane  …….b) Particle size <1 nm  .……c) Form True Solution  .……d) Dialyzable  .……e) Responsible for Donnan effect  **9. Omega- 6 fatty acids-**  …….a) Linolenic acids  …….b) Linoleic acids  …….c) Arachidonic acids  …….d) Oleic acids  …….e) Palmitic acids.  **10. Reference carbon -**  …….a) First carbon  …….b) Last carbon  …….c) Panultimate carbon  …….d) Fifth carbon in glucose  …….e) Second carbon in glyceraldehyde | **11.Vitamin B12**  …….a) Contains a corrin ring  …….b) good sources are vagetables  …….c) stores in liver for 3 months  …….d) requires a specific glycoprotein for its absorption  …….e) participates in the conversion of homecysteine to methionine  **12.Vitamins that have coenzyme function include-**  …….a) Thiamin  …….b) riboflabin  …….c) Vitamin C  …….d) Vitamin A  …….e) Vitamin D  **13.The specific dynamic action (SDA) is the greatest for the following food stuff**  …….a) Fat  …….b) Vitamins  …….c) Protein  …….d) Carbohydrate  …….e) Minerals.  **14.Dietary fiber**  …….a) are monosaccharide  …….b) not absorbed from gut  …….c) reduce the risk of cancer  …….d) lower the blood cholesterol  …….e) tends to decrease stool bulk.  **15.Tick the vitamin which is a prohormone**  …….a) Vit- A  …….b) Vit- E  …….c) Vit- K  …….d) Vit- D  …….e) Vit- C  **16.Toxicity develops following prolong use of large doses of -**  …….a) Vit- A  …….b) Vit -D  …….c) Vit - K  …….d) Vit - E  …….e) Vit - C  **17.BMR will increase in**  …….a) over activity of Na + – k + pump.  …….b) hyperthyroidism.  …….c) hot climate  …….d) starvation  …….e) febrile condition  **18.BMI is –**  …….a) Body weight in kg/height in square cm.  …….b)Body weight in kg/height in square meter.  …….c)normal up to 25kg/m2  …….d)normal up to 35 kg/m2  …….e)used as a marker of nutritional status  **19.Macronutrient are**  …….a) carbohydrate  …….b)Protein  …….c)lipid  …….d)iron  …….e) sodium  **20. Folic acid –**  …….a)good sources are liver and leafy vegetables.  …….b)is needed for the integrity of myelin  …….c)contains a glutamate residue  …….d) used to prevent neural tube defects  …….e) deficiency leads to pernicious aneamia |