

CBME**DR. YSR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008****MBBS DEGREE EXAMINATION – DECEMBER, 2023****FIRST M.B.B.S. EXAMINATION****BIOCHEMISTRY – PAPER-II (Set B)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions**

SECTION – I (MCQs- 20 MARKS)**1x20=20**

1) Which of the following amino acid can give rise to a vitamin

- a. Thryptophan
- b. Proline
- c. Histidine
- d. Phenylalanine

2) Which amino acid does not undergo transamination

- a. Lysine
- b. Serine
- c. Glutamate
- d. Valine

3) The two nitrogen atoms of urea are delivered from

- a. Ammonia and arginine
- b. Ammonia and aspartate

- c. Ammonia and alanine
- d. Ammonia and creatinine

4) The amino acid which does not allow formation of alpha helix is

- a. Glutamate
- b. Glycine
- c. Aspartic acid
- d. Proline

5) Driving Denovo synthesis of pyrimidine nucleotide which nucleotide is first synthesized

- a. IMP
- b. CMP
- c. UMP
- d. CMP

6) The drug of choice for treating primary gout is:

- a. Allopurinol
- b. Aspirin
- c. Tetracycline
- d. Colchicine

7) The daily requirement of iron in adult is

- a. 10-20 microgram
- b. 10-20 gram
- c. 0.1-0.5 mg

8) Hyperparathyroidism is characterized by all the following except:

- a. Osteoporosis
- b. Hypercalciuria
- c. Alkalosis

9) DNA finger printing is based on unique

- a. Tandam repeats
- b. Blood group
- c. Mutagens
- d. Coding sequence

10) Hemoglobin carries

- a. Free bilirubin
- b. Free hemoglobin
- c. Free heme
- d. Free iron

11) Which is not a transcription initiation signal?

- a. CAAT box
- b. Hogness box
- c. Pribnow box
- d. Homeo box

12) Nucleosome is

- a. Alternate name for nucleolus
- b. Promoter sequence for transcription

- c. DNA-RNA complex present in nucleus
- d. DNA wrapped around histones

13) Causes of metabolic alkalosis includes all the following except:

- a. Continuous gastric aspiration
- b. Ingestion of antacids
- c. Prolonged vomiting
- d. Hyperventilation

14) Which of the following is not a contractile protein?

- a. Tubulin
- b. Actin
- c. Desmosine
- d. Dynen

15) Alpha fetoprotein level is increased in serum in

- a. Hepatoma
- b. Hyperthyroidism
- c. Nephritis
- d. Urinary tract infection

16) The following compounds can act as secondary messenger except:

- a. Calcium ions
- b. Inositol triphosphate
- c. ATP

17) ATP synthase is a marker enzyme present in

- a. Golgi complex
- b. Cytoplasm
- c. Mitochondria
- d. Lysosome

18) Peroxisomes are

- a. Site of oxidative phosphorylation
- b. Site of protein synthesis
- c. Concerned with drug detoxification
- d. Involved in production of free radicals

19) Oncogenes are activated by all, except:

- a. Viral infection
- b. Promoter insertion
- c. Mutation in proto oncogene
- d. Reverse transcriptase

20) Proximal Renal tubular acidosis is characterized by all except:

- a. Anemia
- b. Urinary pH 4,5
- c. Normal anion gap acidosis
- d. Hyperchloremia