

CBME**Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA- 520008****MBBS DEGREE EXAMINATION –MAY, 2022****FIRST M.B.B.S. EXAMINATION****BIOCHEMISTRY- PAPER-I (SET-C)****(Multiple Choice Questions)****Time: 20 Minutes****Max Marks: 20****Note: Answer all questions.**

SECTION-I (MCQs - 20 MARKS)**1X2=20**

1. Which enzymes contains copper

- a) Cytochrome P450
- b) Cytochrome oxidase
- c) Cytochrome b5
- d) Coenzyme Q

2. Serum alkaline phosphatase is increasing in

- a) Hypothyroidism
- b) Myocardial infarction
- c) Carcinoma of prostate
- d) Bone diseases

3. Death due to cyanide poisoning is result of

- a) Cyanide blocking oxygen transport in blood
- b) Cyanide hemoglobin complex formation

- c) Cyanide inhibiting complex of respiratory chain
- d) Cyanide inhibiting cytochrome oxidase

4. Acute pancreatitis may be diagnosed by estimating serum levels of the enzyme

- a) Acid phosphatase
- b) Alanine transaminase
- c) Amylase
- d) Alkaline phosphatase

5. All the following coenzymes are involved in pyruvate dehydrogenase reaction except

- a) Flavine Adenine Dinucleotide
- b) Thiamine Pyrophosphate
- c) Biotin
- d) Nicotinamide Adenine Dinucleotide

6. Which enzyme in glycolytic pathway is inhibited by fluoride ions

- a) Aldolase
- b) Enolase
- c) Hexokinase
- d) Phospho fructokinase

7. Pyruvate is converted to acetyl CoA by

- a) Lactate dehydrogenase
- b) Pyruvate dehydrogenase
- c) Pyruvate carboxylase

d) Pyruvate kinase

8. The key enzyme of glycolysis is

- a) Phosphohexose isomerase
- b) Phosphofructokinase
- c) Glucose 6 phosphatase
- d) Glycolaldehyde 3 phosphate dehydrogenase

9. Nyctalopia is due to deficiency of

- a) Vitamin K
- b) Vitamin A
- c) Vitamin E
- d) Vitamin B12

10. If the product is more toxic than original compound, which of the following toxin is used

- a) Conjugation
- b) Biotransformation
- c) Detoxification
- d) Bioactivation

11. Vitamin K is inhibited by

- a) Isoniazid (INH)
- b) Avidin
- c) Methotrexate
- d) Dicoumarol

12. Which of the following enzymes are involved in detoxification

- a) Decarboxylases
- b) Cytochrome P450 enzymes
- c) Transaminases
- d) Dehydrogenases

13. Which of the vitamins listed has no antioxidant property

- a) Vitamin E
- b) Vitamin A
- c) Vitamin C
- d) Vitamin K

14. Which is the enzyme specially involved in ossification of bone

- a) Hexokinase
- b) ATPase
- c) Alkaline phosphatase
- d) Acid phosphatase

15. Which disease is associated with conjugated hyper bilirubinemia

- a) Dubin Johnson syndrome
- b) Congenital spherocytosis
- c) Gilbert disease
- d) Crigler Najjar syndrome

16. Which of the following diseases are not attributed to free radical injury

- a) Cataract

- b) Reperfusion injury
- c) Retrolental fibroplasia
- d) Hypothyroidism

17. Ketone bodies in urine are identified by

- a) Heat and acetic acid
- b) Benedicts test
- c) Rothera's test
- d) Benzidine test

18. Heme contains

- a) Sodium
- b) Magnesium
- c) Calcium
- d) Iron

19. The pathway which taken place in the Mitochondria is

- a) Ketogenesis
- b) Glycolysis
- c) Cholesterol synthesis
- d) HMP shunt pathway

20. Fatty liver may be prevented by the following except

- a) Lecithin
- b) Ethanol
- c) Choline

d) Erythrocytes

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