

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)
FIRST YEAR
PAPER II – BIOCHEMISTRY

MULTIPLE CHOICE QUESTIONS

Q.P. Code: 526056

Time: 30 Minutes

Maximum : 20 Marks

Answer All Questions

Choose one correct answer in the box provided in the Answer Script. No overwriting should be done.

III. Multiple Choice Questions:

(20 x 1 = 20)

1. Normal blood calcium level is
 - A. 5 – 7 mg/dl
 - B. 7 – 9 mg/dl
 - C. 9 – 11 mg /dl
 - 11 – 13 mg /dl
2. Which is attached to 3' (prime) end of mRNA after transcription
 - A. Poly A tail.
 - B. CCA sequence.
 - C. 7 – Methylguanosine.
 - Intron.
3. Among the following the most sensitive indicator of glomerular function is
 - A. Serum urea.
 - B. Serum creatinine.
 - C. Urea clearance.
 - Creatinine clearance.
4. Albinism is due to deficiency of which enzyme
 - A. Tyrosinase.
 - B. Tyrosine hydroxylase.
 - C. Phenylalanine hydroxylase.
 - Homogentisate oxidase.
5. Which enzyme deficiency causes LESCH NYHAN SYNDROME
 - A. Transcarboxylase.
 - B. HGPRTase.
 - C. Glutaminase.
 - PRPP synthetase.
6. Which is Nucleotide
 - A. Nitrogenous base + Suga
 - B. Nitrogenous base + Phosphate.
 - C. Nucleoside + Phosphate.
 - Nucleoside + suga

7. The amino acid from which heme is synthesized is
- A. Tryptophan.
 - B. Tyrosine.
 - C. Threonine.
 - Histidine.
8. Phenyl butyrate is used in urea cycle disorders because it ?
- A. Activates enzymes.
 - B. Maintains renal output.
 - C. Maintains energy level.
 - Increases renal excretion of Ammonia.
9. Which of the following proteins are abundant in the extracellular matrix?
- A. Actin.
 - B. Myosin.
 - C. Tubulin.
 - Collagen.
10. Glycine is used for synthesis of all the following compounds except
- A. Heme.
 - B. Creatinine.
 - C. Purine ring.
 - Pyrimidine ring.
11. Keshan's disease is due to deficiency of
- A. Chromium.
 - B. Selenium.
 - C. Magnesium.
 - Copper
12. In acute pancreatitis, the activity of the following enzyme in plasma is specifically elevated
- A. Alanine aminotransferase.
 - B. Aspartate aminotransferase.
 - C. Amylase.
 - Creatine kinase.
13. Which of the following is not a nutritionally essential amino acid for humans ?
- A. Leucine.
 - B. Tryptophan.
 - C. Tyrosine.
 - Methionine.
14. Which of the following is a structural component of RNA but not of DNA ?
- A. Adenine.
 - B. Uracil.
 - C. Guanine.
 - Thymine.

15. Ehler-Danlos syndrome characterized by hypermobile joints and skin abnormalities is due to
- A. Abnormality in gene for procollagen.
 - B. Defect of elastase.
 - C. Deficiency of prolyl hydroxylase.
 - Deficiency of lysyl hydroxylase.
16. GABA (Gamma amino butyric acid) is
- A. Post synaptic excitatory transmitters
 - B. Post synaptic inhibitory transmitters
 - C. Activator of glia cell formation.
 - Inhibitor of glia cell formation.
17. Which of the following is initiator codon for Translation ?
- A. UAA.
 - B. UAG.
 - C. AUG.
 - UGA.
18. Casein, the milk protein is
- A. Nucleoprotein.
 - B. Chromoprotein.
 - C. Phosphoprotein.
 - Glycoprotein.
19. Which of the following is the inhibitor of Thymidilate synthase enzyme ?
- A. Methotrexate.
 - B. Allopurinol.
 - C. 5 – Fluorouracil.
 - Hydroxy urea.
20. At isoelectric pH, the proteins show
- A. Maximum net charge.
 - B. Maximum mobility in electric field
 - C. Maximum precipitability.
 - Minimum buffering action.
