

MBBS I (First) Professional Examination 2014-15

Course Code: MBS103

Paper ID: 0322242

Biochemistry -II

Time: 2 Hours 40 Minutes

Max Marks: 40

Note: Attempt all questions. Draw proper diagrams to support your answer.

Part 'B'

1. Describe liver function tests (LFT). (10)
2. Define immunity, types and discuss antigen-antibody reactions. (10)
3. Write short notes on the following: (3x5=15)
 - a) PEM (Protein Energy Malnutrition)
 - b) Immunoglobulins
 - c) Metabolic acidosis
 - d) DNA replication
 - e) Antioxidants
4. Briefly discuss biochemical basis of cancer. (5)

MBBS I (First) Professional Examination 2014-15

Roll No.

--	--	--	--	--	--	--	--	--	--

Student's Signature

--

Student's Name

--

Invigilator's Signature

--

Course Code: MBS103

Biochemistry - II

Paper ID: 0322242

Part 'A'

Time: 20 Minutes

Max Marks: 10

- Note:**
1. Attempt all questions and return this part of the question paper to the invigilator after 20 Minutes.
 2. Please tick (✓) correct one only. Cutting, overwriting or any other marking are not allowed.
 3. For answering please use Ball- pen only.

www.FirstRanker.com

- Q.2 Isoenzymes can be characterized by:
- Different chemical reactions they catalyse
 - Difference in their elution profile
 - Difference in amino acid sequence
 - All of the above

- Q.3 Salivary amylase is activated by:
- Na⁺
 - K⁺
 - HCO₃⁻
 - Cl⁻

- Q.4 Gangliosides are the glycolipids occurring in:
- Liver
 - Brain
 - Kidney
 - Muscles

- Q.5 Ketone bodies are utilized in:
- Mitochondria
 - Extrahepatic tissues
 - Chromosomes
 - Nuclei

- Q.6 Epitope is a discrete region on the antigen that interacts with:
- Fab
 - Antibodies light & heavy chains
 - T- cell receptor
 - All of the above

- Q.7 All human starts producing antibodies only after they are:
- Infected with a pathogen
 - Immunized with an antigen
 - Exposed to an antigen
 - None of the above

- Q.8 Active immunity means:
- Resistance developed after disease
 - Resistance developed before disease
 - Increasing rates of heart beat

- Q.17 Normal level of serum calcium is:
- 9-11 mg/dl
 - 2-9mg/dl
 - 10-12mg/dl
 - 1-2mg/dl

- Q.18 Number of carbon atoms in eicosanoids are:
- 20
 - 30
 - 10
 - 40

- Q.19 Linolenic acid is a:
- Essential fatty acid
 - Essential amino acid
 - Preservatives
 - Disinfectant

- Q.20 Deficiency of vitamin -C causes:
- Scurvy
 - Colorblindness
 - Beri-beri
 - Rickets

- Ig A
- Ig G.

www.FirstRanker.com

www.FirstRanker.com

- Q.10 The renal threshold for glucose is:
- 100 mgdl
 - 120 mgdl
 - 150 mgdl
 - 180 mgdl

P.T.O.

- Q.11 Which of the following is an antioxidant vitamin:
- Vitamin-D
 - Vitamin-E
 - Vitamin-K
 - Vitamin- B complex

- Q.12 Ketone bodies are synthesized in:
- Liver
 - Brain
 - Muscle
 - Kidney

- Q.13 The principal buffer of the blood is:
- Bicarbonate buffer
 - Phosphate buffer
 - Proteins
 - Hemoglobin

- Q.14 Monoamine oxidase oxidizes:
- Epinephrine
 - Glutathione
 - Glucagon
 - Nor-epinephrine

- Q.15 Mitochondrial superoxide dismutase contains:
- Mg⁺⁺
 - Mn⁺⁺
 - Zn⁺⁺
 - Co⁺⁺

- Q.16 Lipotropic factors are:
- Methionine
 - Lecithin
 - Choline
 - All of the above