

Date: 05-08-2017

0817E174

First Year MBBS Examination

I MBBS Biochemistry Paper 2

Time: 3 hours

Max Marks: 50

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Write short notes on the following (10)

- a) Action of vitamin D on intestine kidney and bones
- b) Differentiate between Kwashiorkor and Marasmus
- c) Elisa technique and its applications

2. Write Short notes of (any three) (9)

- a) Characteristics features of human ONA
- b) Structure and functions of m-DNA
- c) Restriction endonucleases
- d) Types and functions of globulins

3. Discuss Any TWO (6)

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- a) Importance of fibers in diet

- b) Role of ketone bodies in starvation
- c) Chaperons and their role

Section 2

4. Write Short notes on (any two) (10)

- a) Name any 5 trace elements with their role
- b) Inborn errors of sulphur containing amino acids
- c) Functional classification of proteins with suitable examples

5. Write Short notes on (any three) (9)

- a) Coenzymes of Niacin
- b) Post transitional modifications
- b) Salvage pathway
- d) Oroticaciduria

6. Give your comments with justification of Any SIX: (6)

- a) Deficiency of copper can lead to graying of hair
- b) Importance of Glycosylated hemoglobin in prognosis of diabetes
- c) Iron is called as one way sunstance
- d) High carbohydrate in diet needs high thiamine to metabolism it
- e) Significance of poly A tail on m-RNA
- f) Enzymes considered as an early marker of MI

g) In B12 deficiency folic acid is trapped in which form?

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