First Year MBBS Examination
I MBBS Biochemistry Paper 2
Date: 15-07-2016 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. Give an account of any TWO of the following (10)

a) Rickets (A. 459) (C.127,408)

b) Mutations (A. 591) (C.535)

c) Recombinant DNA technology and its application (A. 600) (C.579)

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

a) Translation (A. 584) (C.553)

b) Lac operan (A. 595) (C.567)

c) RNAs (A. 569) (C.79)

d) Replication (A. 559) (C.524)

e) Genetic code (A. 580) (C.551)

3. Discuss Any TWO **(6)**

a) Protein Energy malnutrition (A. 516) (C. 516)

b) BMR (A. 512) (C.504)

c) Anaplerotic role of TCA cycle (A. 304) (C.257)

Section 2

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

a) Urea cycle (A. 258) (C.337)

b) Classification of proteins on the basis of structure and functions (A. 36)

c) Iron Metabolism (A. 499) (C.416)

5. Write Short notes on (any two) **(9)**

a) One-Carbon metabolism (A. 262) (C.363)

b) Coenzyme role of niacin (A. 469) (C.139)

c) Gout (A. 548) (C. 394)

d) Scurvy (A. 482) (C.134)

e) Purine catabolism (A. 547) (C.392)

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

a) Nitrogen equilibrium (A. 515)

b) Beri Beri (A. 467) (C.135)

c) Transaminase (A. 256)

d) Aromatic Amino Acid (A. 27)

e) Isoelectric pH

f) Albinism

g) Gene library

h) Anaemia