Date: 13-07-2015

0819E379

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. Give an account of any TWO of the following (10)

a) DNA replication in eukaryotes (A. 559) (C.527)

b) Deficiency diseases due to Vit C and Vit D (A. 459, 482) (C. 127, 134)

c) Dietary constituents (A. 513) (C. 514)

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

a) Operon model of gene regulation (A. 596) (C. 567)

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

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

d) Application of recombinant DNA (A. 600) (C. 579)

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

3. Discuss Any TWO (6)

a) Anaploretic role of Kreb's cycle (A. 308) (C. 257)

b) Protein Malnutrition (A. 516) (C.516)

c) Function of minerals nutrition (A. 505) (C. 403)

Section 2

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

a) Urea formation in liver (A. 258) (C. 337)

b) Secondary structure of protein (A. 38) (C.56)

c) Calcium metabolism (A. 492) (C. 404)

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

a) Coenzyme role of folic acid (A. 474) (C.150)

b) Functions of vit A (A. 453) (C. 119)

c) Functions of nucleotides (A.541)

d) Purine Salvage pathway (A. 546) (C. 391)

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

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

a) Cyclic AMP

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

c) lodine

d) Transaminase

e) Night blindness

f) Alpha helix

g) Gene library

h) Albinism