

0819E379

First Year MBBS Examination

I MBBS Biochemistry Paper 2

Time: 3 hours

Max Marks: 50

Instructions:

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

- a) Recombinant DNA technology(10)
(A.600) (C. 579)
- b) Functions of vitamin C (A. 481)
(C.132)
- c) Balanced diet (B. 761) (C.514)

2. Write Short notes of (any three)

- a) Structure of DNA (A. 556) (C.73) (9)
- b) Transcription (A. 570) (C.543)
- c) Genetic code (A. 580) (C.551)
- d) Inhibitors of protein synthesis (A. 584) (C.558)
- e) DNA finger printing (A. 611) (C.602)

3. Discuss Any TWO

- a) Compare Kwashiorkor and Marasmus (A. 516) (C. 516)
- b) Liver in well fed state and starvation (A. 121) (C.383)
- c) Significance of TCA cycle (A. 304) (C.257)

Section 2

4. Write Short notes on (any two)

- a) Sources, R.D.A., absorptions, functions and deficiency of iron (A.499) (C.414)
- b) Disorders of phenylalanine and tyrosine metabolism (A.292)(C.351)
- c) Structure of proteins (A. 36) (C. 52)

5. Write Short notes on (any two)

- a) Wald's visual cycle (A. 454)(9)
(C.129)
- b) Deficiency of vitamin D (A. 459)
(C.127)
- c) Biologically important nucleotides
- d) Salvage pathway (A. 546) (C. 391)
- e) Purine catabolism (A. 547) (C.392)

6. Give your comments with justification of Any SIX:

- a) Draw and label tRNA (C. 81) (6)
- b) Wilson's disease (C. 417)
- c) Goiter
- d) Lesch-nyhan syndrome (A. 549)
(C.396)

e) Essential amino acids (A. 27) (C.48)

f) Pellagra (A. 470) (C.141)

g) Intrinsic factor

h) Dietary fibre (A. 514)

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