

2010 Scheme

Q.P. Code 106001

Reg. No.:.....

First Professional MBBS Degree Supplementary Examinations July 2025

Biochemistry - Paper II

Time: 3 hrs

Max marks: 50

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay

(10)

1. Explain the active form, activation, biochemical functions, RDA and deficiency manifestations of vitamin D. (1+2+3+1+3)

Short essays

(2x5=10)

2. Describe purine catabolism.
3. Discuss the biochemical alterations seen in blood and urine in different types of jaundice.

Short notes

(5x3=15)

4. Renal regulation of pH.
5. Absorption, Storage and transport of iron.
6. Anti oxidant enzymes and vitamins.
7. Beri - Beri.
8. Post transcriptional modifications.

Answer briefly

(5x2=10)

9. Tubular function tests.
10. Lesch – nyhan syndrome.
11. Applications of recombinant DNA technology.
12. What is Hypokalaemia. Name any one cause.
13. Draw and label t – RNA.

Give precise answers

(5x1=5)

14. Name any two inhibitors of replication.
15. Name any two vectors used in gene therapy.
16. Name the coenzyme forms of
 - a) Pyridoxine
 - b) Pantothenic acid
17. Name two tumour markers with associated clinical condition.
18. Name two conditions caused by defective DNA repair.
