

BLDE UNIVERSITY
MBBS PHASE - I EXAMINATION
(REVISED SCHEME)
BIOCHEMISTRY PAPER - I
QP CODE : 1005

[Time : 3 Hours]

[Max.Marks : 100]

Your answer should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only. Write Question No. in left side of margin.
Use separate answer books for Paper – I and Paper II

Long Essay: (Answers to be started on fresh page only) **1x10=10 marks**

1. Give an account of factors affecting enzyme activity.

Short Essay: (Answers to be started on fresh page only) **5x5=25 marks**

2. Blood buffers
3. Formation of Bile salts
4. Denaturation of proteins
5. Prostaglandins
6. Glycogenesis and its regulation

Short Answers: (Leave three lines gap between the answers) **5x3=15 marks**

7. Active transport
8. Essential fatty acids
9. Glycosylated Hemoglobin.
10. Cori's cycle
11. Uncouplers of Oxidative phosphorylation.

QP CODE : 1006 PAPER – II

Use separate answer book

Long Essay: (Answers to be started on fresh page only) **1x10=10 marks**

1. Write heme degradation in detail. Add a note on Jaundice.

Short Essay: (Answers to be started on fresh page only) **5x5=25 marks**

2. Detoxification by conjugation
3. Inulin clearance test
4. Iodine
5. Gout
6. Mechanism of action of steroid hormones.

Short Answers: (Leave three lines gap between the answers) **5x3=15 marks**

7. Tumor markers
8. Rickets
9. Dietary fibers
10. Six functions of copper
11. Respiratory acidosis

BLDE UNIVERSITY
MBBS PHASE – I EXAMINATION

[Duration : 3 Hours]

[Max.Marks:100]

BIOCHEMISTRY PAPER – I

QP CODE : 1005

Your answer should be specific to the questions asked. Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only. Write Question No. in left side of margin.

Use separate answer books for Paper I and Paper II

Long Essay : (Answers to be started on fresh page only)

1 x 10 = 10

1. What are the various fates of acetyl Co A? Explain TCA cycle in detail.

(3+7)

Short Essay: (Answer to be started on fresh page only)

5 x 5 = 25

2. What are isoenzymes? Discuss the isoenzymes forms of LDH and its significance.
3. Composition and functions of any two phospholipids.
4. Cholesterol
5. Explain the steps of urea cycle and its regulation .
6. Name the products synthesized from glycine.

Short Answer:(Leave three lines gap between the answers)

5 x 3 =15

7. Name the enzyme defect in a)Phenylketonuria b)Maple syrup urine disease c) Albinism
8. Name the bile acids. How are they formed?
9. Lipotropic factors
10. Lactose intolerance.
11. Explain substrate level phosphorylation with two examples.

QP CODE: 1006 PAPER-II

Use separate answer book

Long Essay : (Answers to be started on fresh page only)

1 x 10 = 10

1. Describe in detail the sources,RDA, absorption and functions of iron . Add note on factors regulating serum iron level.

Short Essay: (Answer to be started on fresh page only)

5 x 5 = 25

2. Structure and function of any two immunoglobulin's.
3. Salvage pathways of purine nucleotide synthesis.
4. Walds visual cycle
5. Laboratory diagnosis of jaundice
6. Creatinine clearance and its significance.

Short Answer:(Leave three lines gap between the answers)

5 x 3 =15

7. Pellagra
8. Vectors in recombinant DNA technology.
9. Ceruloplasmin.
10. Specific dynamic action of food.
11. Wobble phenomenon.