

July-2018

BLDE UNIVERSITY
MBBS PHASE - I EXAMINATION

[Time: 3 Hours]

[Max.Marks: 100]

BIOCHEMISTRY – PAPER - I
QP CODE: 1025

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.

Long Essay: (Answer should be started on fresh page only) **1x10 = 10**

1. Classify enzymes with suitable examples. Write in detail the factors influencing enzyme action

Short Essay: (Answer should be started on fresh page only) **5 x 5 = 25**

2. Biochemical functions & deficiency manifestations of Vit. D.
3. Glycogen synthesis with regulation
4. Structural organization of protein.
5. Detoxification by conjugation
6. Rappaport - Leubering cycle & its significance.

Short Answers: (Leave three lines gap between the answers) **5 x 3 = 15**

7. Thermogenin
8. Antioxidants
9. Galactosemia
10. Functions of albumin
11. Therapeutic uses of enzymes.

QP CODE: 1026 PAPER II

Use separate answer book

Long Essay: (Answer should be started on fresh page only) **1x10 = 10**

1. Discuss the structure and replication of DNA.

Short Essay: (Answer should be started on fresh page only) **5 x 5 = 25**

2. Gout
3. Nitrogen balance
4. Mutations
5. Co-enzymes
6. Mechanism of action of peptide hormones

Short Answers: (Leave three lines gap between the answers) **5 x 3 = 15**

7. Fluorosis
8. Reverse transcription
9. Growth factors
10. Metabolic water
11. Alkaptonuria

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BIOCHEMISTRY PAPER - I

QP CODE : 1015

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. Describe urea cycle. Add a note on Maple syrup urine disease.

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

5 x 5= 25

2. Gluconeogenesis.
3. Define and differentiate oxidative and substrate level phosphorylation.
4. Define K_m and add a note of therapeutic uses of enzymes.
5. 'Sunshine' Vitamin.
6. Steps of beta oxidation of fatty acids.

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

5 x 3= 15

7. What are radioisotopes? Write any two diagnostic applications.
8. Enumerate pH of blood. Add a note on blood buffers.
9. Receptor mediated transport.
10. Ketoacidosis.
11. Lactose intolerance.

QP CODE : 1016 PAPER II

Use separate answer book

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

1 x 10= 10

1. Describe the process of Transcription add a note on Post transcriptional modifications.

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

5 x 5= 25

2. Creatinine Clearance test.
3. Trace elements.
4. Normal variants of Haemoglobin.
5. Metabolic water.
6. Define RQ and add a note on balanced diet.

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

5 x 3= 15

7. Biochemical markers of MI (myocardial infarction)
8. Oncogenes.
9. Collagen- Structure and abnormalities.
10. Define the term detoxification add note on cytochrome P₄₅₀.
11. Incineration.