

(Old course)

January 2019

BLDE UNIVERSITY

MBBS PHASE - I EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

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. Name the complexes of electron transport chain. Explain the mechanism of oxidative phosphorylation. Add a note on uncouplers.

(2 + 5 + 3)

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

5 x 5= 25

2. Biochemical functions and deficiency manifestations of Vitamin C.

3. Essential fatty acids.

4. Significance of HMP shunt pathway.

5. Specialized compounds formed from glycine.

6. Fatty acid synthase complex.

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

5 x 3= 15

7. Applications of Henderson Hasselbalch equation.

8. Endoplasmic reticulum.

9. Allosteric regulation of enzymes.

10. Endocytosis.

11. Denaturation of proteins.

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 translation in prokaryotes. Add a note on post-translational modification.

(7 + 3)

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

5 x 5= 25

2. Causes, types and clinical features of gout.

3. Degradation of hemoglobin.

4. Dietary sources and functions of calcium.

5. Anion gap

6. Creatinine clearance.

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

5 x 3= 15

7. Structure and functions of collagen.

8. Iodine deficiency.

9. Features of marasmus.

10. C – reactive protein.

11. Hormones as tumour markers.

(New course)

January 2019

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: (Answers to be started on fresh page only) 1 x 10= 10

1. Define gluconeogenesis. Mention the substrates for gluconeogenesis. Write the pathway of gluconeogenesis from alanine as substrate.

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

2. Secondary structure of proteins.
3. Oxidative phosphorylation.
4. Transamination.
5. Active transport
6. Functions of vitamin C

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

7. High energy compounds.
8. Ketosis.
9. Therapeutic uses of enzymes.
10. Bence jones proteins.
11. Lipotropic factors.

QP CODE: 1026 PAPER II

Use separate answer book

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

1. Write the sources, biochemical functions of calcium. Add a note on tetany.

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

2. Salvage pathway of purine.
3. Steps in polymerase chain reaction.
4. Heme synthesis.
5. Balanced diet.
6. Biochemical markers of MI

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

7. Anaplerosis.
8. Inulin clearance.
9. Water intoxication.
10. Reverse transcriptase.
11. Incineration.