

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

[Max.Marks : 100]

[Time : 3 Hours]

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. Describe in detail beta-oxidation of fatty acid.

5x5=25 marks

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

2. Metabolic functions of Glycine
3. Allosteric inhibition of enzymes
4. Deficiency manifestations of Vitamin A
5. Glucose tolerance test
6. Transamination

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

5x3=15 marks

7. Lipotropic factors
8. Enzyme specificity
9. Substrate level phosphorylation
10. Components of ETC
11. Iso electric pH

QP CODE : 1006 PAPER – II
Use separate answer book

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

1x10=10 marks

1. Name the important buffer systems in the body. Describe the role of kidney and lung in the maintenance of acid-base balance.
(2+4+4=10)

5x5=25 marks

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

2. Jaundice
3. Genetic code
4. Regulation of serum calcium level
5. Protein energy malnutrition
6. Porphyrias

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

5x3=15 marks

7. Tumor markers
8. Energetic of TCA cycle
9. Cytochromes
10. Rickets
11. Second messengers