Roll No. | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 18

Pharm. D (Sem.–1)

MEDICINAL BIOCHEMISTRY

Subject Code : 1.3

Paper ID : [D0166]

Time : 3 Hrs. Max. Marks : 70

INSTRUCTION TO CANDIDATES :

1. SECTION-A contain SEVEN questions. Attempt any FIVE questions. Each question will carry TWO marks each.
2. SECTION-B contain EIGHT questions (Short Essay Type). Attempt any SIX questions. Each question will carry FIVE marks.
3. SECTION-C contain THREE questions (Long Essay Type). Attempt any TWO questions. Each question will carry FIFTEEN marks.

SECTION-A

Q1 Draw structure of cyclic AMP. Describe its potential biochemical role.

Q2 What is ketosis?

Q3 What is oxidative deamination?

Q4 What is isoenzyme? Describe its one diagnostic application.

Q5 Give nucleotide sequences for three termination codons.

Q6 Briefly explain Endocytosis.

Q7 What is the clinical significance of Hypercholesterolemia?

SECTION-B

Q8 Give critical account of auto-regulation of blood glucose level.

Q9 Describe mechanism of electron transfer from reducing equivalent to molecular oxygen via ETC.

Q10 Give critical account of energy conservation in citric acid cycle.

Q11 Describe metabolic disorder of aromatic amino acid.

Q12 Describe salient features of genetic codes.

Q13 Describe factors affecting cholesterol level in blood.

Q14 What is the principle of radio immunoassay (RIA)?

Q15 Discuss the biochemical parameters for the differential diagnosis of jaundice.

SECTION-C

Q16 Describe the biosynthesis of fatty acid.

Q17 Describe the various factors affecting enzyme activity. Explain the mechanisms of enzyme inhibition.

Q18 Discuss different types of DNA damages and the repair mechanism.