

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.