

Roll No.....

Total No. of Questions : 10]

ALUMNI ASSOCIATION

[Total No. of Printed Pages : 3

PHM-3.5.1
PHARMACEUTICAL
CHEMISTRY-V
(Biochemistry)

(B.Pharmacy, 5th Semester, 2124)

Time : 3 Hours

Maximum Marks : 80

Note :- Section A is compulsory. Attempt any *Four* questions from Section B and any *Three* questions from Section C.

Section-A

Marks : 2 Each

1. (a) What are Isoenzymes ?
- (b) What is Wobble Position ?
- (c) What is the significance of Pentose-Phosphate shunt ?
- (d) What is Nitrification ?
- (e) How many ATP molecules are formed when stearic acid is metabolised ?

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Turn Over

- (f) Why Kreb's cycle is called amphibolic ?
- (g) What is β -oxidation ?
- (h) What is Fermentation ?
- (i) Name the enzymes required for DNA Synthesis.
- (j) What are Mutations ?
- (k) What is Galactosemia ?
- (l) What is Translocation ?
- (m) What is Oxidative Phosphorylation ?
- (n) What are essential fatty acids ?

Section-B

Marks : 5 Each

- 2. Derive Michael-Menton equation.
- 3. Write the reactions in Kreb's cycle.
- 4. Write note on biosynthesis of amino acids.
- 5. What is Urea Cycle ? State its importance.
- 6. Write note on different types of RNAs.

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Section-C Marks : 10 Each

7. Write note on DNA replication.
8. Write note on inducible operon system.
9. Write note on different co-enzymes.
10. Write note on oxidative-phosphorylation.

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