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16392(D) - 0 DEC 2016

B. Pharmacy 5th Semester Examination

Biochemistry (NS)

BP-351

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : The candidates are required to attempt any two questions from Section A, any eight questions from Section B. Section C is compulsory and students have to answer all questions from Section C.

SECTION - A

(Attempt any two questions)

1. Discuss reactions, significance, energetics of citric acid cycle.
2. Discuss in detail biosynthesis of purine and pyrimidines.
3. Describe metabolic fate of glucose in detail. (2×10=20)

SECTION - B

(Attempt eight questions)

4. Discuss on oxidative phosphorylation.
5. Describe biosynthesis of fatty acids.
6. Describe Michaelis Menton kinetics.
7. Write note on biochemical organization of cell.
8. Explain metabolism of sulfur containing amino acids.
9. Discuss biosynthesis of amino acids.

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10. Write a note on protein biosynthesis.
11. Discuss urea cycle.
12. Write a note on biosynthesis of fatty acids.
13. Write a note on enzymes and co-enzymes used in clinical diagnosis. (5×8=40)

SECTION - C

(Attempt all questions)

14. Discuss metabolism of galactose.
15. Write short note on fermentation.
16. Define enzyme, coenzyme and isoenzyme.
17. Write short note on significance of pentosephosphate pathway.
18. Write short note on bile pigments. (5×2=10)