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Total No. of Printed Pages: 1

Total No. of Questions: [13]

B. Pharmacy (Semester: 2nd)

BIOCHEMISTRY

Subject Code: BP203T

Paper ID: [17170110]

Time: 03 Hours

Maximum Marks: 75

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- (a) Function of phosphoglucomutase.
- (b) Coenzyme.
- (c) NADPH
- (d) Endergonic and exergonic reactions.
- (e) Steroidal secondary sex hormones.
- (f) Disease due to defecioency of vitamin B12.
- (g) hypercholesterolemia.
- (h) Structure of tRNA.
- (i) Write the biological importance of ATP.
- (j) Define enzyme.

Section – B

(5 marks each)

- Q2. Give the classification of amino acids.
- Q3. Write a note on heme catabolism.
- Q4. Explain gluconeogenesis pathway.
- Q5. Describe the biosynthesis of purine.
- Q6. Describe the reaction of β oxidation.
- Q7. What is genetic code? Describe its important properties.
- Q8. Explain translation process.
- Q9. Write the synthesis and significance of dopamine.
- Q10. Describe the formation and utilization of ketone bodies

Section – C

(10 marks each)

- Q11. Write the significance ,cycle and energetic of following
 - a) Kreb cycle
 - b) HMP shunt
- Q12. Explain the urea cycle and its disorders
- Q13. Describe the various steps of protein synthesis. Comment on inhibitors of this anabolic pathway.