

Time : 11.00 to 13.00 Hrs.

(P.T.O.)

- B) State whether True or False. If false, rewrite the statement after making necessary corrections. (05)
- i) Cephalin is also called phosphatidylinositol.
 - ii) According to the lock and key model, both enzymes and substrates do not possess specific complementary geometric shape that fit exactly into one another.
 - iii) Universal function of RNA is protein synthesis.
 - iv) A protein is made up of amino acids linked together by glycosidic linkages.
 - v) Double helical structure of DNA was proposed by Watson and Crick.

SECTION - 'B'

- Q. 3 A) Describe with diagram how ammonia is eliminated by urea cycle. (05)
B) Explain in details the structure of proteins. (05)
- Q. 4 A) Describe and explain citric acid cycle with diagram. (05)
B) Write the silent features of Watson and Crick DNA model. (05)
- Q. 5 A) What are simple, conjugated and derived lipids? Give example. (03)
B) Write a short note on enzyme inhibition. (03)
C) Discuss in detail the hexose mono phosphate (EMP) pathway. (04)
- Q. 6 A) Discuss the different types of RNA and their functions. (03)
B) Write the structures of purines and pyrimidines. (03)
C) Define the term amino acids. Explain in details why glycine and proline is unique amino acids along with structure. (04)
- Q. 7 What are enzymes? Explain in details classification of enzymes on the basis of reaction they catalyzed. (10)
