



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Write short answers to the following questions. (15x2=30)

- i. Why Sodium is important for normal body functions?
- ii. Draw the Urea cycle
- iii. How nitrogen transport to the liver?
- iv. Write the action of glutaminase
- v. Write about Fates of oxaloacetate oxaloacetate
- vi. What is Purine Salvaging?
- vii. Give overview of nucleotide metabolism.
- viii. What is RNA splicing and its importance?
- ix. Write about decarboxylation of amino acids
- x. How are CTP and UTP derived from UMP?
- xi. Differentiate between nucleotide and nucleoside
- xii. Write about Deamination of histidine
- xiii. Write the Salient features of transamination
- xiv. Write the uses of fungi in the industry
- xv. What is MSG?

Q.2. Write detailed answers to the following questions.

- 1 (a) Write the physiological functions and deficiency symptoms of calcium and magnesium (6)
- (b) Write the catabolism of purines bases (4)
- 2 (a) Write about the application of bacteria in preserving of food (5)
- (b) Write about the deamination of amino acids and its importance (5)
- 3 (a) Write about the disorders linked to the serum urate level (4)
- (b) Write the creatine and creatinine synthesis and secretion (6)