

[illegible]

Total No. of Questions : 08

Paper ID : [E1238]

Max. Marks : 100

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

- 1) Write a detailed note on water soluble vitamins and their deficiency diseases.
- 2) Write short notes on :
 - a) Hexose monophosphate Shunt.
 - b) Irritable bowel syndrome.
- 3) Explain the purpose and the process of lipogenesis.
- 4) Describe in detail source, function and importance of trace mineral salts.
- 5) Describe the sliding filament model of muscle contraction.
- 6) Write notes on :
 - a) Drug biotransformation.
 - b) Lactic acid fermentation.
- 7) a) Discuss in detail genetic basis of nitrogen fixation.
b) Write a short note on gluconeogenesis.
- 8) Discuss five basic mechanisms of antibiotic action against bacterial cells.