

**SECTION A (SHORT ANSWER QUESTIONS, 40 marks)**

- 1) Describe the DNA structure using the watson-criek model
- 2) Describe the Germ theory of disease
- 3) Briefly explain the principles of staining
- 4) Describe the membrane proteins of prokaryotes
- 5) Define taxonomy and explain the Linnean scheme
- 6) Describe asexual reproduction in microbes
- 7) How can we preserve food
- 8) Describe three types of Germicides

**SECTION B (ESSAY QUESTIONS, 30 marks)**

- 9) Discuss microbial growth under the following headings: Phases used to measure number of microbes and Factors affecting growth