



Section - A & Section - B

Instructions:

- 1) Use **blue/black** ball point pen only.
- 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) **All** questions are **compulsory**.
- 4) The number to the **right** indicates **full** marks.
- 5) Draw diagrams **wherever** necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answer book for **all** sections.

Section "A" (40 Marks)1. Short answer question (**any five** out of two)

(5x5=25)

- a) Biomedical waste management.
- b) Z.N. staining.
- c) Pathogenicity of tuberculosis.
- d) Hypersensitivity type I.
- e) General characteristics of Viruses.
- f) Contribution of Louis Pasteur.

2. Long answer question (**any one** out of two) :

(1x15=15)

- a) Define the term Immunity. Write the differences between Active and Passive Immunity. Explain the National Immunization Schedule.
- b) Define sterilization and disinfection. Classify methods of sterilization by heat. Describe Hot Air Oven.

Section "B" (35 Marks)3. Short answer question (**any four** out of five) :

(4x5=20)

- a) Life cycle of Malaria parasite.
- b) Give three different types of fungal classifications.
- c) Bacterial growth curve.
- d) Pathogenicity of vibrio cholera.
- e) Normal Microbial flora of human body.

4. Long answer question (**any one** out of two) :

(1x15=15)

- a) Draw a neat & well labelled diagram of HIV. What are the modes of transmission of HIV ? Discuss in detail about the laboratory diagnosis of HIV.
- b) Name the organism causing Enteric fever and explain its cultural characteristics. Discuss the Laboratory diagnosis of typhoid.