



MICROBIOLOGY HSSC-I

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Time allowed: 2:20 Hours

Total Marks Sections B and C

NOTE: Answer any thirteen parts from Section 'B' and any two questions from Section 'C' of this paper in a separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 26)

Q. 2 Attempt any THIRTEEN parts. The answer to each part should not exceed 2 to 4 lines. (13 x 2 = 26)

- (i) What is Clinical Microbiology?
- (ii) Name any four bacterial diseases.
- (iii) What is Catalase test?
- (iv) What are Symbionts?
- (v) What does ELISA stand for?
- (vi) What is the difference between Simple and Compound Microscopes?
- (vii) What is Condenser? Write its use in Microscope.
- (viii) What is PCR?
- (ix) What are the Bipolar flagella?
- (x) Write down four types of Gram positive bacteria.
- (xi) Write the stages of Syphilis.
- (xii) Classify Immunoglobulin.
- (xiii) Define Sterilization.
- (xiv) What are the Pneumococcus diseases?
- (xv) Name Sporogenic bacteria.
- (xvi) What do you mean by DHF and DSS?
- (xvii) What is Rocky mountain spotted fever?

SECTION – C (Marks 14)

Note: Attempt any TWO questions. All questions carry equal marks.

(2 x 7 = 14)

Q. 3 Describe the different methods of Sterilization.

Q. 4 Describe the various steps and precautions in collection and transportation of Virological specimens to laboratory.

Q. 5 Discuss the morphology, laboratory diagnosis and pathogenicity of *Corynebacterium diphtheria*.