



MICROBIOLOGY HSSC-II

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any thirteen parts from Section 'B' and any two questions from Section 'C' on the 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 Answer any THIRTEEN parts. The answer to each part should not exceed 2 to 4 lines. (13 x 2 = 26)

- (i) Define Zoonosis /Zoonotic infections.
- (ii) Differentiate between useful and empty magnification.
- (iii) Enlist four general characters of Trichomonads.
- (iv) Explain the morphology of Haemoflegellates.
- (v) What is meant by Resolving power of a microscope?
- (vi) How many types of asexual spores are produced in fungi?
- (vii) Define autoinfection in human parasites and coat three examples.
- (viii) What is visceral Leishmaniasis? How it is caused?
- (ix) Describe the term Black Water Fever.
- (x) How the Malarial Parasites are transmitted to human?
- (xi) Explain the term "Heart lung migration" with suitable examples.
- (xii) Enumerate the developmental stage of D. latium in sequence.
- (xiii) Define liver abscess. How it is formed?
- (xiv) Enlist the protozoan vectors. Why they are important?
- (xv) Define Ground itch. How it is caused?
- (xvi) Classify the Fungi on the basis of their morphology.
- (xvii) Enlist at least four major routes of parasitic infection to human.

SECTION - C (Marks 14)

Note: Attempt any TWO questions. All questions carry equal marks. (2 x 7 = 14)

- Q. 3** Differentiate between Schizogony and Sporogony. Explain the Schizogony of P. falciparum with suitable digrams.
- Q. 4** What are Schistosomes? How they are transmitted to human? Explain the pathology of S. haematobium.
- Q. 5** Clearly explain the Pathogenicity of different species of Leishmania in human host.