





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

- (i) Differentiate between Intermediate host and Definitive host.
- (ii) What is meant by resolving power of a microscope?
- (iii) Describe the term Zoonosis.
- (iv) What may be the possible sources in Entamoeba Histolytica transmission?
- (v) Draw and describe the morphology of adult Tapeworms.
- (vi) What do you mean by **Oviparous** and **Viviparous worms**?
- (vii) On what morphological characteristics are the tapeworms termed as 'hermaphrodites'?
- (viii) Describe Amoebic liver abscess.
- (ix) Draw and differentiate between the gravid segments of Taenia Saginata and Taenia Solium.
- (x) What are the causes of relapses (recrudescence) of vivax malaria?
- (xi) What is Visceral leishmaniasis?
- (xii) What is Dimorphic fungi?
- (xiii) Why is the immersion oil used while viewing a slide under 100 X objective of a microscope?
- (xiv) Write any four factors which promote the transmission of parasites.
- (xv) Draw and label the trophozoite of Giardia Lamblia.
- (xvi) Draw and differentiate between the fertile and infertile egg of Ascaris Lumbricoides?
- (xvii) What is the autoinfection of Strongyloides Stercoralis?

## SECTION – C (Marks 14)

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

( 2 x 7 = 14 )

**Q. 3** Discuss the life cycle, pathogenicity and laboratory diagnosis of Taenia Saginata.

**Q. 4** Describe "Hookworm infection" and its laboratory diagnosis. Which other eggs can be mistaken for hookworm eggs?

**Q. 5** Write down the basic features and classification of Fungi. Also describe the terms **Opportunistic mycoses**, **Mycotoxicoses** and **Fungal allergies**.