

2011



Roll No.

Answer Sheet No. _____

Sig. of Candidate. _____

Sig. of Invigilator. _____

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MICROBIOLOGY HSSC-II
SECTION – A (Marks 10)

Time allowed: 10 Minutes

NOTE:- Section–A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 10 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

- (i) Which of the following diseases is caused by the bite of infected anopheles mosquitoes?
A. Kala-azar B. Yellow fever C. Dengue fever D. Malaria
- (ii) Which of the following parasites is cultured on NNN blood ager medium?
A. Malarial parasite B. Hydatid diseases
C. Entamoeba histolytica D. Leishmania parasite
- (iii) Which of the following diseases is caused by Leishmania donovani?
A. Kala-azar B. Muco cutaneous leishmania
C. Oriental sore D. Cutaneous leishmaniasis
- (iv) Which of the following parasitic diseases is caused by Leishmania tropica?
A. Giardiasis B. Cutaneous leishmaniasis
C. Amoebiasis D. Visceral leishmaniasis
- (v) Which of the following statements is **TRUE** for asexual life cycle of malaria parasite?
A. Asexual life cycle of malaria parasite occurring in sand fly vectors
B. Asexual life cycle of malaria/Schizogony occurring in mosquito vectors
C. Exo-erythrocytic cycle of malaria found in mosquito vectors
D. Schizogony/asexual life cycle of malaria parasite found in red blood cells of man
- (vi) Which of the following parasitic disease is transmitted by the contaminated food or drink?
A. Leishmaniasis B. Trichomoniasis
C. Hymenolepis nana D. Trypanosomiasis
- (vii) Which of the following phylum is concerned with the insects of medical importance?
A. Phylum Protozoa B. Phylum Nematoda
C. Phylum Arthropoda D. Phylum Platyhelminth
- (viii) Which of the following serological test is used to confirm the disease amoebic liver abscess?
A. IFAT B. CAP test
C. Complement fixation test D. ELISA test
- (ix) Which of the following infection is caused by Entamoeba histolytica?
A. Malaria B. Giardiasis
C. Amoebiasis D. Sleeping sickness
- (x) Which of the following statements is **TRUE** for the trematodes?
A. Body cavity is absent B. They are Tape-like and segmented worms
C. Body cavity is present D. They are unsegmented, cylindrical worms

For Examiner's use only:

Total Marks:

10

Marks Obtained:

2011



MICROBIOLOGY HSSC-II

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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' on 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 are Trypanosomes?
- (ii) Write briefly about the Hook worms.
- (iii) Define the Intermediate host.
- (iv) What are Gametocytes?
- (v) What are the unicellular organisms?
- (vi) Give the morphological features of Fasciola hepatica.
- (vii) What are the haemo-flagellates? Also write their names.
- (viii) Define Hydated diseases.
- (ix) What are Cestodes?
- (x) Define Compound microscope. Also list its main parts.
- (xi) What are the Yeasts?
- (xii) What do you mean by Mycology?
- (xiii) Define Ectoparasites.
- (xiv) Which is the medium used for the cultivation of fungi in routine? Write briefly.
- (xv) Define the term Amoebiasis.
- (xvi) What are the Schistosomes?
- (xvii) What are the morphological features of Trematodes?

SECTION – C (Marks 14)

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

(2 x 7 = 14)

- Q. 3 Describe the morphological characters and diagnosis of *Ascaris lumbricoides*.
- Q. 4 Discuss the transmission and morphological features of *Taenia saginata*.
- Q. 5 Discuss the transmission and life cycle of Malaria parasite in human.