THE SHAPE AND TH	Roll No.			
	Sig. of Candidate			

Answer Sheet No	
Sig. of Invigilator	

# MICROBIOLOGY HSSC-II

E:	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.						
	Circle the correct option i.e. A / B / C / D. Each part carries one mark.						
	(i)	i) What type of the following hosts carries sexual and mature form of parasites?					
		A.	Definitive host	B.	Reservoir host		
		C.	Transport host	D.	Intermediate host		
	(ii)	Wha	t is the infective stage of plasmodi	um paraiste to	cause a disease in humans?		
		A.	Gametocyte	B.	Sporozoite		
		C.	Merozoite	D.	Trophozoite		
	(iii)	Whic	th of the following parasites is cultu	ired on NNN ag	gar medium?		
		A.	Plasmodium vivax	B.	H. nana		
		C.	Leishmania donovani	D.	Entamoeba histolytica		
	(iv)	Whic	th of the following diseases is trans	smitted by the b	ite of infected Phlebotomus sandfly?		
		A.	Dengue fever	В.	Leishmaniasis		
		C.	Yellow fever	D.	Malaria fever		
	(v)	Whic	th of the following statements is TR	RUE for protozo	an parasites?		
		A.	They are multicellular.	B.	They are unicellular.		
		C.	They are non-cellular.	D.	None of these		
	(vi)	Which of the following statements is CORRECT about trematodoes?					
		Α.	Body cavity is present.				
		В.	Body is cylindrical and taper at both the ends.				
		C.	Body cavity is absent.				
		D.	They are tape-like and segmented worms.				
	(vii)	Which of the following parasitic infections is diagnosed by Casoni's test?					
		A.	Hydatid disease	B.	Loiasis		
		C.	Anclostomiasis	D.	Giardiasis		
	(viii)	Whic	th of the following groups of parasi	tes moves with	the help of Pseudopodia?		
		A.	Mastigophora	B.	Sarcodina		
		C.	Rhizopodoa	D.	Ciliophora		
	(ix)	Which is the infective stage of Taenia saginata?					
		A.	Miracidium	B.	Cysticercus bolus		
		C.	Cysticercus cellulosae	D.	Coracidium		
	(x)	Whic	th of the following statements is ap	plied for asexua	al life cycle of malaria parasite?		
		A.	Sporozoite form of plasmodium	١.			
		B.	Schizogony occurs in the red b	lood cells of ma	an.		
		C.	Exo-erythrocytic cycle				
		D.	Sporogony occurs in anopheles mosquitoes.				

Marks Obtained:



## MICROBIOLOGY HSSC-II

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any 1

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.  $(13 \times 2 = 26)$ 
  - (i) What you mean by **Endoparasites** and **Ectoparasites**?
  - (ii) What are Amastigotes?
  - (iii) What are Hookworms?
  - (iv) How is Visceral Leishmaniasis transmitted in humans?
  - (v) Define Plasmodium. Name the commonly found plasmodium species in Pakistan.
  - (vi) Give the morphological features of small trophozoite or ring form plasmodium parasite.
  - (vii) Define Hydated diseases.
  - (viii) What you mean by Mycology?
  - (ix) What are the Unicellular organisms?
  - (x) Define the Intermediate host.
  - (xi) What is Metamorphosis?
  - (xii) What are the Trypanosomes?
  - (xiii) Define Compound microscope.
  - (xiv) What do you mean by Schizogony?
  - (xv) Which is the medium commonly used for the cultivation of Leishmania parasites in the lab?
  - (xvi) What are Gametocytes? Give the characteristic features of Pl. falciparum gametocyte.
  - (xvii) Define Yeast.

### SECTION - C (Marks 14)

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

 $(2 \times 7 = 14)$ 

- Q. 3 Describe the morphological charaters and diagnosis of Ascaris lumbricoides.
- Q. 4 Explain the insects of medical importance in our daily life. Illustrate your answer with two examples.
- Q. 5 Discuss the transmission, pathogenecity and diagnosis of Amoebic dysentery.