STATE AND STATE	Roll No.	Answer Sheet No	
TO I WANTED TO THE TOTAL TO THE	Sig. of Candidate	Sig. of Invigilator	

NOTE:-	Section-A i	s compulso	ry.	All pa	arts c	of th	nis sectio	n are	to be ar	swere	d on	the ques	tion paper itself	i
													Superintendent	

			SECTION	I – A (Marks	3 10)						
Time	allow	ed: 11	0 Minutes								
NOTE:	- Sec	tion-A	is compulsory. All parts of th	minutes and ha	be answered on the question paper its anded over to the Centre Superintendencil.						
Q. 1	Circle	the co	rrect option i.e. A/B/C/D. E	ach part carries	s one mark.						
	(i)	Whic	Which of the following groups of parasites moves with the help of Pseudopodia?								
		A.	Mastigophora	В.	Rhizopoda						
		C.	Sporozoa	D.	Caleopora						
	(ii)	Whic	h of the following values is direc	tly related with th	e useful magnification of the microscope?						
		A.	Refrective Index	В.	Focal length						
		C.	Resolving power	D.	Numerical apperture						
	(iii)	Whic	h of the following parasites caus	ses Megaloblastic	anaemia and Vitamin B. deficiency in						
		huma	ans?								
		A.	Entamoeba	В.	Giardia						
		C.	H.nana	D.	D. latum						
	(iv)	Whic	h of the following organisms is p	rovided with und	ulating membrane?						
		A.	Trypanosoma	В.	Leishmania						
		C.	Trichosporum	D.	Tricophyton						
	(V)	Whic	h of the following is cultured on	NNN Culture med	dium?						
		A.	Trichomonas	В.	Leishmania						
		C.	Cryptococcus	D.	Hookworm						
	(vi)	Whic	h of the following parasites exhi	bits free living exi	stance for several generations?						
		A.	S. stercoralis	В.	A. lumbricoides						
		C.	A. duodenale	D.	N. americanus						
	(vii)	Whic	h of the following causes Ringw	orm Infection in h	numans?						
		A.	Pin worm	В.	Thread worm						
		C.	Microsporum	D.	Cryptococcus						
	(viii)	Whic	h of the following parasites does	NOT cause Auto	oinfection?						
		A.	A. lumbricoides	В.	H. nana						
		C.	E. vermicularis	D.	S. stercoralis						
	(ix)	What	is the infective stage of Plasmo	dium to humans?	?						
		A.	Trophozoite	В.	Merozoite						
		C.	Gametocyte	D.	Sporozoite						
	(x)	Whic	h of the following parasites stain	s well with Lecto	phenol cotton blue stain?						
		A.	Intestinal protozoa	В.	Sporozoa						
		C.	Fungi	D.	Blood parasites						
	For E	xamine	r's use only:								
				Total	I Marks:						
				Mark	s Obtained:						



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) What is Amastigote? Name its different parts.
 - (ii) Define Zoonosis.
 - (iii) What are Schistosomes? List their developmental stages in sequence.
 - (iv) Define Vactor. Name three of them alongwith their parasites.
 - (v) Differentiate between Amoebic dysentery and Baciallary dysentery. Give four points.
 - (vi) Define Mycosis. List its types.
 - (vii) What is Haemozoin? How is it formed?
 - (viii) Differentiate between complete and incomplete Metamorphosis.
 - (ix) Draw and label the egg of Taenia species.
 - (x) What is Heart lung migration?
 - (xi) What are the common routes of parasitic infection to humans?
 - (xii) What is meant by Numerical aperture of an objective?
 - (xiii) What is Plasmodium? List its different common species.
 - (xiv) What are the main pathological affects of S. haematobium?
 - (xv) What is Binary fission? Name its different types with relevant examples.
 - (xvi) What is Sleeping sickness? How is it transmitted?
 - (xvii) What is the basic classification of human parasites upto class leval?

SECTION - C (Marks 14)

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

 $(2 \times 7 = 14)$

- Q. 3 Explain the source, transmission and pathogenicity of Hydatid cyst disease, in humans.
- Q. 4 Differentiate between Schistosomes and Cestodes. Also draw the life-cycle of Schistosomes.
- Q. 5 Write in detail about the hosts, transmission, pathology and lab. diagnosis of Leishmania donovani.

— 2HA 1242 —