

A.

C.

Pin worm

Hook worm

MICROBIOLOGY HSSC-II SECTION - A (Marks 10)



Time	allow	ed: 10	Minutes	Version Number 4 4 2 1	
Vote:	OMR	Answe	is compulsory. All parts of this or Sheet which should be com rintendent. Deleting/overwriting	pleted in the fi	be answered on the separately provided rst 10 minutes and handed over to the Do not use lead pencil.
2 . 1	Choose the correct answer A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.				
	1) Which of the following is termed as oil immersion lens in microscope?				
	,	Α.	10 X	В.	20 X
		C.	40 X	D.	100 X
	2)	2) Host parasite relationship which does not harm any partner is known as:			
	ŕ	Α.	True parasitism	В.	Mutualism
		C.	Commensalism	D.	Symbiosis
	3) Which of the following intestinal parasite does not produce cysts?				uce c ysts?
		Α.	Trichomonas hominis	В.	Bal anti dium Coli
		C.	Giardia lamblia	D.	Entamoeba histolytica
	4) Which of the following is the vector for chagas disease?				
		A.	Triatomine Bug	В.	Tse ts e fly
		C.	Horse fly	D.	Sand fly
	5)	5) What is the name of fully developed, vegetative and motile form of protozoan parasites?			
		A.	Sporozoite	В.	Gematocytes
		C.	Merozoites	D.	Trophozoites
	6)	6) What is the mode of reproduction in most of the Pathogenic Fungi?			
		Α.	Spore formation	В.	Cyst formation
		C.	Seed formation	D.	Ovum formation
	7) Which of the following group of Arthropods has most of the parasitic vectors?				
		A.	Mites	B.	Ari chnid s
		C.	Insects	D.	Crustaceans
	8) Which group of Helminths is known as schistosomes?				
		Α.	Intestinal Flukes	В.	Lu ng Fluk es
		C.	Liver Flukes	D.	Blood Flukes
	9)	Which of the following is the culture medium of choice for Fungi?			
		Α.	Blood Agar	₿.	Sabouraud's Agar
		C.	Chocolate Agar	D.	Nutrient Agar
	10)	Whic	ch of the following worm causes Ir	on Deficiency An	emia in human?

B.

D.

Thread worm

Round worm (Large)



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) Which stage of Leishmania is found in human host? Describe its morphology.
 - (ii) Write four major differences between Plasmodium and other protozoan parasites.
 - (iii) Clearly define the term Hermaphrodite with example.
 - (iv) What is meant by zoonosis or zoonotic infections? Give two examples.
 - (v) Name the intermediate host for plasmodium. How does it enter the host body?
 - (vi) What is Dimorphic Fungi? Explain with relevant examples.
 - (vii) Define conjugation. In which parasite does it take place?
 - (viii) What is cysticercus larva? What is its importance?
 - (ix) What is meant by Haemozoin? Where and how is it formed?
 - (x) Differentiate clearly with examples between moulds and yeast.
 - (xi) Enlist four common routes of parasitic transmission to human. Give one example of each type.
 - (xii) Define swimmer's itch. How is it caused?
 - (xiii) Name the infective larval stage of Hookworm along with mode of infection.
 - (xiv) Enlist the insects, important in parasitic development and transmission. (Alongwith their relevant parasites)
 - (xv) Define Helminths and classify them with one characteristic of each group.
 - (xvi) What is the difference between oviparous and viviparous organisms? Give examples of each type.
 - (xvii) Write four major differences between Trypanosomal and Leishmanial parasites.

SECTION - C (Marks 14)

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

- Q. 3 Explain the life cycle and transmission of Dephylobothrium latum. How is it different from other cestodes?
- Q. 4 Discuss in detail the morphology, transmission and life cycle of Ascaris lumbricoides in human.
- Q. 5 What is the difference between Sporogony and Schizogony? Explain the sexual life cycle of plasmodium in definitive host.

—— 2HS 1842 ——