

Final TERM EXAM. Jan. 2025



c) Both a & b

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-سوم					
Molecular Biolog	ov Program	لبيولوجيا الجزيئية	تاني/ برنامج ا	المستوى ال	
Parasitology & Infectious diseases (234 Z)		علم الطفيليات و الأمراض المعدية		علم الطفي	- 7-12
Department: Zoology	Marks: 60	Time: Hou	ır	Date: 5/1/2025	
Answer the Following Question Question one: (20) Choose the correct answer in the correc	Marks/ 2 each):				
1- A 35 year old male presents have hepatosplenomegaly. A bl Which vector responsible for transaction a) Tsetse fly	ood smear was order	ed for parasite an hogen?	nalysis.	He is also found to)
2- Most of the normal floras of a) symbionts	the humans' body car b) mutualistic	n be considered a		mmensals.	
3- The image shown before you	found in the buccal of	cavity of man cau	ises		
a) No disease 4- <i>Naegleria fowleri</i> parasite is .	b) Amoebic dysente	ery	c) B	ronchitis	
a) Accidental parasite	b) Facultative par	asite	c) none of	them	
5 Which of the following "tropa) Giardia lamblia	phozoite" is a vector f b) <i>Balantidium co</i>		c)) none o	f them	
6-All of the following are diag provided image, except	nostic features of the				
a) It is slightly larger than a blood cell, measuring 9 X 7 μm		e flagella arise stome.	ability to	persist with a r 1 to 3 hours.	urs, an moist
7- Glossina palpalis transmits th	he infective stages of.	•••••			
a) Leishmania b) Trypanosoma		c) <i>P</i>	lasmodium	
8- Which of the following is the a) Examining a sample secretions under a microscope	e quickest and most co of b) Examining a under a microsco	sample of urin	ie c) Per	ng trichomoniasis' forming nucleic cation tests	? acid

9- Which type of *Plasmodium* invades young and old RBCs cells.....

10- Reservoir hosts of Trypanosoma are.....

a) Gazelle

b) falciparum

b) Oryx

Question two: (25 Marks/ 1 each):	
 Put true (√) or false (X) in the following sentences: 1-The life cycle of Giardia lamblia consists of two stages, the trophozoite and cyst. The 	()
trophozoite is 15 μm long and 20 μm wide anteriorly. 2- The effective drugs against <i>Giardia lamblia</i> are metronidazole, tinidazole or nitazoxanide.	()
3- The size of provided image about 10-40µm in diameter, can penetrate into the intestinal wall and invade the liver and other organs.	()
 4- Cytozoic Parasite is one that wanders in to an organ in which it is not usually found. 5-Nephritic syndrome following <i>Plasmodium</i> infections is type of direct effects of the parasite 	() ()
on the host 6-Blood, Stool, Urine, Biopsy material and Vaginal discharge are the only laboratory diagnosis for protozoan parasites.	()
7-Mild diarrhea, foul-smelling with abdominal cramps, flatulence, and streatorrhoea are symptoms of intestinal protozoan <i>Giardia lamblia</i> .	()
8- The trophozoites of <i>E.hartmanni</i> do not ingest red blood cells, and their motility is generally less vigorous than that of <i>E.histolytica</i> .	()
9-Pathogenesis and disease symptoms of <i>Trichomonas vaginalis</i> is found in the urethra & vagina of women and the urethra & prostate gland of men.	()
10-The shown image represents the resting stage that enables the parasite to survive inside the body and infection begins from swallowing it.	()
 11- Intermediate host harbors a parasite in the adult stage. 12- An important drug used for the treatment of <i>E. histolytica</i> Metronidazole and Chloroquine. 13- Amastigote phase lives in pharynx and midgut of sand fly and feeds on blood of insect. 14-The basal body anterior of nucleus, with short, non-functional, flagellum in <i>Leishmania</i> form. 15- Fever, Chills and rapid breathing are symptoms of Trypanosoma parasites. 16- Examination of tissue biopsy, spleen, bone marrow or lymph node was for <i>Trypanosoma</i>. 17-Pseudoparasite is artifact mistaken as parasite such as: <i>Blastocystis hominis</i>. 18-Reservoir host makes the parasite available for the transmission to another host. 	() () () () () () ()
19- The provided image illustrates epimastigote (crithidia form).	()
20-Quadrinucleated cyst is the infective stage of <i>E. coli</i> and causes Intestinal infections. 21-There are 2 sub-species of <i>T.gambiense</i> and <i>T.rhodesiense</i> cause sleeping sickness. 22-Transmission of <i>E.histolytica</i> through Person to person (fecal-oral) and contaminated food. 23-There are five species of <i>Plasmodium</i> infecting humans and definitive host is mosquito. 24- <i>L. donovani</i> causes the classic kala-azar ("black sickness") or dumdum fever. 25- <i>T.gambiense</i> distinguished from other forms by the presence of a kinetoplast&flagllum base.	() () () () ()
Question three: (15 Marks):	
• Describe the life cycle of Trypanosoma parasite mentioning the name of disease of its all type?	

Best of Luck انتهت الاسئلة Examiner: Ass.Prof./Shereen Ahmed Fahmy Head of Department: Prof. Dr./Ayman Hyder

1