

UNIVERSITY OF NAIROBI

UNIVERSITY EXAMINATIONS 2015/2016

LEVEL II EXAMINATIONS FOR THE DEGREE OF BACHELOR OF MEDICINE AND SURGERY

HMM 210: MEDICAL MICROBIOLOGY - WRITTEN

MULTIPLE CHOICE QUESTIONS (MCQs)

DATE: JANUARY 27, 2016

TIME: 9.00 A.M. - 12.00 NOON

INSTRUCTIONS:

- 1. Read the instructions carefully and answer as instructed in each section.
- 2. Circle the correct response on each question.
- 3. Only one response needed for each question
- 4. If you change your response, please indicate clearly by putting an (X)
- 1. Autoinfection is common in which parasitic infection:
 - (a) Necator americanus
 - (b) Trichinella spiralis
 - (c) Trichiuris Trichiura
 - (d) Ancylostoma duodenale
 - (e) Enterobius vermicularis
- 2. Which parasite is associated with intermediate host?
 - (a) Ascaris lumbricoides
 - (b) Trichinella spiralis.
 - (c) Trichiuris trichiura
 - (d) Ancylostoma duodenale
 - (e) Nector americanus
- 3. Jaundice is common in which parasitic infection?
 - (a) Necator americanus
 - (b) Ascaris lumbricoides
 - (c) Trichinella spiralis
 - (d) Ancylostoma duodenale
 - (e) Enterobius ssp

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	(a) Trichinella spiralis	
	(b) Strongyloides stereoralis	
	(c) Ancylostoma duodenale (d) Capillaria ssp.	
	(e) Trichiuris trichiura	
	5. Complications Ascaris lumbricoide infection include all except:	
	(a) Malnutrition	
	(b) Obstruction	
	(c) Jaundice	
	Abdominal swelling	
	(e) Microcytic anaemia 🗸	
×	Select the correct statement from the following:	
	(a) All trematodes are hermaphroditic	
	(b) Nematodes have segmented bodies	
	(c) Cestodes are hermaphroditic	
	(d) Nematodes have no alimentary canal (e) None of the above	
	(e) None of the above	
	7. In which of the following parasites is Man a paratenic host?	
	(a) Ascaris lumbricoides	
	(b) Ancylostoma duodenale	
	(c) Trichuris trichiura	
	(d) Ancylostoma braziliense. (e) Enterobius vermicularis	
	(c) Encrobias verimeularis	
	8. Which of the following statements is true?	
	(a) All protozoa are motile	
	(b) All protozoa reproduce asexually by binary fission.	
	(c) Protozoa are a subset of helminthes	
	(d) All protozoa are pathogenic	
	(e) Protozoa are unicellular organisms	
	9. Which of the following parasites causes cutaneous larva migrans?	
	(a) Ascaris lumbricoides	
	(b) Necator americanus	
	(c) Toxocara canis	
	(d) Ancylostoma braziliense	
	(e) Strongyloides stercoralis	
-	D 2 000	

* 4. The following have a barel shaped egg

10. Pulmonary symptoms may be associated with infection by these parasites except:	
(a) Necator americanus	
(b) Strongyloides stereoralis	
(c) Ascaris lumbricoides	
(d) Ancylostoma duodenale	
(e) Aneylostoma braziliense	
11. Which of the following is associated with Trichinella spiralis?	
(a) Jaundice	
(b) Steatorrhoea	
(e) Autoinfection 4	
(d) Splinter haemorrhages	
(e) Iron deficiency anaemia	
12. Which of the following parasites has a planoconvex egg?	
12. Which of the following parasites has a parasites has a parasites has a parasites has a parasite shall be parasited has a parasite shall be	
m inclinally spiralis	
(a) Trichinella spiralis (b) Enterobius vermicularis	
(c) Ascaris lumbricoides	
(d) Necator americanus	
Strongyloides stercoralis	
13. Topical application of Thiabendazole may be useful in the treatment of which of	the
13 Topical application of Thiabendazole may be useful in the deduction	
following parasites?	
(a) Ancylostoma brazilienze	
(b) Strongyloides stercorans	
(c) Ascaris lumbricoides	
(d) Trichinella spiralis	
(e) Toxocara canis	
14. The infective form of strongyloides stercoralis is	
14. The infective form of strong,	
(a) Mammilated egg	
(b) Embryonated egg	
G Filariform larva	
(d) Rhabditiform larva	
(e) Free living adult	

15. Ocular larva migrans is associ	iated with		
(a) Strongyloides stercoralis			
(b) Toxocava canis			
(c))Trichinella spiralis	b		
(d) Ancylostoma braziliense			
(e) Capillaria hepatica «			11 120
16. In which of the following par-	asites in liver biopsy is useful in th	ne diagnosis o	of its infection?
(a) Ascaris lumbricoides			
(b) Enterobius vermicularis			
(c) Capillaria hepatica			
(d) Ancylostoma duodenale			
(e) Trichuris trichiura			
17. Which of the following parasi	ites have mammalated eggs?		
(a) Trichinella spiralis			
(b) Strongyloides stercolaris			
(c) Ascaris lumbricoides			
(d) Enterobius vermicularis^			
(e) Ancylostoma duodenale			
		2	
18. Which of the following parasi	tes is associated with asphyxiation	n?	
(a) Ascaris lumbricoides			
(b) Enterobius vermicularis			
(c) Necator americanus			
(d) Trichinella spiralis ¿			
(e) Strongyloides stercoralis ≮			
(e) Subligyloides stercoraits s			
19. Which of the following is not	a soil-transmitted helminth?		
(a) Strongyloides stercoralis			
(b) Trichinella spiralis			
(c) Necator americanus			
(d) Trichuris trichiura			
(e) Ancylostoma duodenale			
0. Intestinal intussusception is co	mmonly associated with?		
(a) Ancylostoma duodenale	many according with:		
(b) Enterobius vermicularis	n >		
	5		
(c) Trichinella spiralis			
Toxocava canis			
(e) Strongyloides stercoralis			



	21. Which of the following parasites is associated with visceral larva migrans?
	(a) Necator americanus (b) Strongyloides stercoralis (c) Ancylostoma duodenale (d) Toxocava canis (e) Ascaris lumbricoides
¥	22. Which of the following parasites is associated with dysentery?
	(a) Ascaris lumbricoides (b) Enterobius vermicularis (c) Toxocava canis (d) Toxocava cati Trichuris trichiura
	23. Which of the following drugs is recommended for heavy Ascaris lumbricoides infections in small children?
	(a) Albendazole (b) Mebendazole (c) Praziquantel (d) Thiabendazole (e) Pyrante pamoate
	24. Pruritus ani occurs in which of the following:
	(a) Ascaris lumbricoides (b) Necatar americanus (c) Wuchereria bancrofti (d) Brugia malayi (e) Enterobius vermicularis

(a) Ascaris lumbricoides
(b) Necator americanus

(c) Trichuris trichiura

(d) Enterobius vermicularis

25. Microcytic hypochromasia occurs in:

(e) Trichinella spiralis



26. One of the following is NOT an arboviru	ıs
26. One of the following	
(a) Yellow fever virus	
(b) Rift valley fever virus	
(c) Dengue virus	
(d) Chikungunya virus	
(e) Ebola virus	
27. Viral hemorrhagic fever viruses	
(a) All are DNA viruses (b) All are naked viruses	u vi-ato
and the mile that the	ng in all patients
(d) Most can be prevented through va	ccines
(e) All are RNA viruses	
in B	unvaviridae is false:
28. One of the following statements in B	ullyaviii
(a) Includes Rift Valley fever virus	icks
(a) Includes Rift Valley level when (b) Transmitted by mosquitoes and t	
(c) Are segmented (d) Are segmented to tropical Africa.	63
(d) Are limited to dopress (e) Are zoonotic	y
(e) Are zoonone	
29. Dengue virus:	
	the other serotypes
(a) Has 3 distinct serotypes(b) Infection with one serotype presided by ticks	events infection with other server
(b) Infection with one stock (c) Is transmitted by ticks	zone of all patients
(b) Infection with the control of th	at least 50% of an parties
(d) Causes hemorrhagic shock in a (e) Usually presents with an acute	febrile iliness
(e) Usuarry present	
30. Retroviruses:	
(a) Are reverse transcribing DNA	viruses*
(a) Are reverse transcribing beautiful (b) are reverse tr	- 1/
(b) Have a segment	liness in numerical
/ anse a lapidary i	capsidr
(d) Have a double-stiched into the hor	st genome
31. One of the following state	s in the nucleus.
31. One of the following statements (a) Reverse transcription occurs (b) It has two copies of its geno	me /
(b) It has two copies of the	translational modification
(a) Viral proteins 10 g	nter the nost cent
(d) Requires a co-receptor budd	ing 🗸
(d) Requires a co-receptor to ed (e) Exits the cell through budd	
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32. HIV-2:

- (a) Is a sub-type of HIV-1
- (b) Progresses faster than HIV-1
- (c) Is easier to transmit than HIV-1
- (d) Has a wider geographical distribution than HIV-1
- (e) Is intrinsically resistant to most non-nucleoside reverse transcriptase inhibitors (NNRTIs)
- 33. Antiretroviral agents include the following except:
 - (a) Entry blockers
 - (b) Polymerase inhibitors
 - (c) Viral release inhibitors
 - (d) Integrase inhibitors
 - (e) Protease inhibitors
- 34. Burkitt's Lymphoma is a cancer thought to be caused by this virus
 - (a) Human herpes virus (HHV) type 1 (HHV-1)
 - (b) HHV-2
 - (c) HHV-3
 - (d) HHV-4
 - (e) HHV-5
 - 35. This human herpes virus is associated with causation of two different diseases in the same person
 - (a) HHV-1
 - (b) HHV-2
 - (c) HHV-3
 - (d) HHV-4
 - (e) HHV-5
 - 36. Neonatal herpes is a disease associated with primary infection of a pregnant woman by this virus
 - (a) HHV-1
 - (b) HHV-2
 - (c) HHV-3
 - (d) HHV-4
 - (e) HHV-5

	37. The drug of choice of	treating people wi	th alpha-herpes v	rus infections is	
	(a) Gancyclovir				
	(b) Rimantadine				
	(c) Ribavirin				
	(d) Nevirapine				
	(e) Acyclovir				
	38. The virus HHV-6 cau	ises			
	(a) Herpes labialis (b) Roseola rash (c) Genital herpes (d) Warts (e) Conjunctivitis				
×	39. What proportion of passuming no prior va	poliovirus infection accination?	ı of naïve individı	als go on to develop p	paralysis
	(a) 95% (b) 5% (c) 3% (d) 0.1% (e) 0.01%	0,			
	40. Which of the follow	ing symptoms is N	OT associated w	ith furious rabies?	
	(a) Depression (b) Headache (c) High fever (d) Restlessness (e) Anxiety				(D) (G)
	41. This virus typically	reaches its target	tissue via the peri	oheral nerves system ((PNS)
	(a) Poliovirus (b) HSV-1 (c) Rabies virus (d) Echovirus (e) Retrovirus				
/					
	H				

on following infection with this virus:

- 43. One of the following belong to Flaviviridae family of viruses
 - (a) Hantaviruses
 - (b) Lassa fever virus κ
 - (c) Ebola virus ⋆
 - (d) Dengue fever virus.
 - (e) Junin virus *
- 44. An outbreak of Ebola disease in humans is usually fuelled by:
 - (a) Transmission of the virus from natural hosts to humans
 - (b) Transmission of the virus from humans to humans ~
 - (c) Transmission of the virus from food to human x
 - (d) Transmission of the virus from foreign doctors to locals *
 - (e) None of the above
- 45. The only available mode of treatment of Dengue shock syndrome is
 - (a) Anti-retroviral drugs
 - (b) Anti-malaria drugs
 - (c) Replacement of plasma and electrolytes /
 - (d) Anti-biotics
 - (e) None of the above
- 46. The term sylvatic transmission is usually associated with
 - (a) Yellow fever virus
 - (b) Hepatitis B virus
 - (c) Dengue fever virus
 - (d) Rotavines
 - (e) Influenza virus

4	The two human Papilloma virus strain associated with cervical cancer in women are:
	(a) Type 1 & 8 (b) Type 5 & 13 (c) Type 6 & 11 (b) Type 16 & 18 (e) Type 20 & 29
4	One of the following is NOT a risk factor associated with cervical cancer
(Smoking (b) Drinking goat milk (c) Early age of sexual debut (d) High parity (e) Long term use of estrogen
4	Reactivation is a common characteristic human herpes simplex virus. One of the following factors is not associated with this phenomenon:
	Infection (b) Irradiation (c) Menstruation (d) Physical stress (e) Diabetes
5	One of the following herpes viruses is mainly transmitted in sexual intercourse



- (a) Herpes simplex type 1
 (b) Herpes simplex type 2
 (c) Cytomegalovirus
 (d) Epstein Barr virus
 (e) Human herpes virus 6

