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(This paper is consists of 2 pages)

24-01-2022

01231 A3+01231 A4

**II-MBBS** 

Second M.B.B.S. (Main) Examination (New Scheme)
January - 2022
MICROBIOLOGY
Paper-Second

Paper-Second Time: Three Hours Maximum Marks: 100

Attempt all questions in both sections (Use separate answer book for each section)

## Section-A

	Section-A	
1. Fill in the blanks:		6 x 1 = 06
a) causes swimmir	ng pool granuloma.	
b)is a double strai	nded RNA virus associated with dia	rhea to infants.
c) Tenofovir is used in treatment of	Hepatitis virus.	
d) Virus is respons	ible for bronchiolitis in infants and	young adults.
e)is the causative		
bacilli, often confused with dipht	heroids.	
f) Painful, multiple, bilateral, tiny ve	esicular ulcers with incubation perio	d of 2-7 days is found
in 4		
2. Answer the followings (Multiple Cho	pice Questions):	4 x 1 = 04
i) Which of the following can cause	acute diarrhea through inflammato	ry changes in the
intestine induced by cytokine rel	lease?	
a) Cholera b) EHEC	c) Staphylococcus aureus d)	All
ii) Nakayama strain is used for which	ch vaccine-	
a) Typhoid b) Chicke	npox c) Japanese encephalitis	d) Yell <mark>ow fe</mark> ver
iii) The following is not true of cand	ida albicans-	
a) Yeast like fungus	b) Forms Chlamydospores	
c) Blastomeres seen in isolates	d) Causes meningitis in immuno	-compromised
iv) Mycobacterium kansasii belong	s to-	
a) Scotochromogens	b) Photochromogens	
c) Rapid growers	d) Non-Photochromogens	
3. A one-year-old infant was brought t	o emergency with acute onset of feve	er, pain and
dyspnoea associated with pleural in	volvement. Direct examination of spu	tum shows plenty
of pus cells, and gram-negative pleo	morphic bacilli.	



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	s of this condition and the m	ost likely etiological agents	
b) What is the clinical spec	trum of the organism?		03
c) Write lab diagnosis of the	ne causative organism.	***	07
d) Treatment and Immuno	o-Prophylaxis against the caus	sative organism.	03
4. Write short notes on (Any five)	: ,	5 x 2 =	= 10
a) Enumerate Halophilic v	ibrios.		
b) Enumerate tissue nema	atodes.		
c) Enumerate virus causin	g hepatitis.		
d) Non-gonococcal urethr	itis.		
e) Filovirus infection.			
f) Congenital toxoplasmo	sis.		
5. Explain briefly (Any three):			5 = 15
a) Enumerate fungal infe	ctions of skin and soft tissue w	rith lab diagnosis of any one.	
b) Enumerate parasitic in	fection of central nervous syst	em with lab diagnosis of any or	ie.
c) Oncogenic viruses.			
d) Lab diagnosis of COVII	D-19 infection.		
	Section-B		
6. Enumerate agents causing ac	cute diarrhea. Write predisposir	ng factors, lab diagnosis and	
treatment as per severity of	acute diarrhea.	N Carette	20
7. Explain briefly (Any five):		5 x 2 = 1	LO
a) Eggs of Schistosoma s	pecies.		
b) Lab diagnosis of bacto	erial vaginosis.		
c) Enumerate agents ass	sociated with viral meningitis an	nd myelitis.	
d) Bacillus cereus infect	ion.		
e) Enumerate intestinal	nematodes.		
f) Enumerate agents of	atypical pneumonia.		
8. Explain briefly (Any four):		4 x 5 = 2	
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a) Amoebic liver absces	is. b) Lab diagn	osis of leprosy.	D

e) Lab diagnosis of Nocardiosis.