[1098 A-62]

A-62 Sardar Patel University

M.Sc. Integrated Biotechnology, Eighth Semester Examination
Tuesday, 10th April, 2018
02:00 p.m. to 05:00 p.m.
PS08CIGMB1: Medical Microbiology

Total Marks: 70

Note: 1. 2.	Figur Draw	es to the right indicate marks. neat and labeled diagram, wherever necessary.	
Q.1	i.	Attempt the followings *Trichomonas vaginalis** belongs to class of protozoa. a. Rhizopoda b. Sporozoa c. Mastigophora d. Rhizophora	[8]
	ii.	Definitive host of <i>Taenia saginata</i> is a. Human b. Pig c. Cow d. Goat	
	iii.	BCG is a living attenuated vaccine derived from a strain of a. M. tuberculosis b. M. caprae c. M. bovis d. M. microti	
	iv.	Which one of the bacteris is causing "Pseudomembrane" formation, a. S. aureus b. S. pyogenes c. C. diphtheriae d. None	
	V.	Earliest antigen marker used for diagnosis of HIV is, a. P24 b. gp120 c. gp41 d. None	
	vi.	Which bacteria is known to cause "Pseudomembrane" formation a. C. diphtheria b. E. coli c. M. tuberculosis d. S. pyogenes	
	vii.	Dermatomycoses is the study of, a. Fungus disease of hair b. fungus disease of skin c. fungal disease of nails d. all the above	
	viii.	In coccidioidomycosis infection is caused due to a. Thorn prick b. trauma c. skin penetration d. inhalation of arthrospores.	
Q.2		Attempt any seven:	[14]
	i. ii.	Explain the morphological forms of <i>Entamoeba histolytica</i> What are the infective forms and mode of transmission of <i>Fasciola hepatica</i> ?	
	iii. iv.	What are Leishman-Donovan bodies? What is M. tuberculosis complex?	
	٧.	The state of the march of the march of the street of the s	us
	vi.	Write a note on Coagulase test.	
	vii		P. T. O.

	viii. ix.	Enlist different methods for observing mold in clinical samples. What are dimorphic fungi? Give examples.	
Q.3	A	Discuss various morphological forms of Plasmodium observed during its life cycle.	[6]
	В	Life cycle of of Entamoeba histolytica OR	[6]
	В	Discuss the life cycle of Ascaris lumbricoides.	[6]
Q.4	A B	Explain laboratory diagnosis methods for tuberculosis Discuss various virulence factors of <i>S. aureus</i> . OR	[6] [6]
	В	Mention symptoms caused by infection of <i>C. diphtheriae</i> and methods of diagnosis used.	[6]
Q.5	A B	Explain classification of viruses given by Baltimore in 1970. Explain pathogenesis and clinical features of Herpes simplex virus. OR	[6] [6]
	В	Give detailed structure and morphology of HIV.	[6]
Q.6	A	What is Mycosis? How many types of mycosis are there? Explain with suitable examples.	[6]
	В	Discuss pathogenesis, laboratory diagnosis and treatment of Sporotrichosis	[6]
	В	OR Discuss pathogenesis, laboratory diagnosis and treatment of Coccidioidomycosis	[6]
