

PARUL UNIVERSITY
PARUL INSTITUTE OF APPLIED SCIENCES
MID SEMESTER INTERNAL EXAMINATION, MARCH 2018
M. Sc. Semester II
Subject: Microbiology

Paper Code:11201153

Title of the paper: Medical Microbiology

Date:26/02 /2019

Time:11:30- 1:00

Maximum Marks: 40

Instructions:

- 1. All questions are compulsory and options are given in first and second question only.**
- 2. Numbers to the right of question indicate the marks of respective question.**

Q. 1	Attempt any one question of the following. (i)Discuss the General characteristics of Rickettsia. (ii) Write short note on Probiotics.	(08)
Q. 2	Attempt any three questions of the following. (i) Draw a flow chart summarizing the major component of the host defense. (ii) Discuss the Virulence factors. (iii)Discuss briefly the Microbiome of human system. (iv) Discuss Pathogenesis, diagnosis of Prion. (v) Discuss any one type of Superficial Mycoses.	(12)
Q. 3	Do as directed. Attempt all five questions. (i) what is complement system? (ii) Define probiotics. (iii) Name any two disease cause by systemic mycoses. (iv) What is prion? (v) State any two causal organisms of subcutaneous Mycoses	(05)
Q. 4	Write correct option in your answer sheet for following 15 multiple choice questions.	(15)

MCQ 1	Surface protection is classified as			
	(A)	Second line defense	(B)	Innate nonspecific
	(C)	Acquired specific	(D)	Third line defense
MCQ 2	Nonspecific chemical defenses of the human host include			
	(A)	Myeloperoxidase	(B)	Lysozyme
	(C)	Cytokines	(D)	Antibodies.
MCQ 3	Interferon _____ is a – Product of T lymphocytes			
	(A)	Gamma	(B)	Beta
	(C)	Alpha	(D)	None of the above
MCQ 4	Interferon binds to other host cells and induces production _____ proteins			
	(A)	Antibacterial	(B)	Antifungal
	(C)	Antiviral	(D)	all of the above
MCQ 5	Epithelial layer offer _____ protection than skin			
	(A)	More	(B)	less
	(C)	Equal	(D)	No

MCQ 6	The number of microbial cells is _____ more than human cells in a human being			
	(A)	10 times	(B)	20 times
	(C)	30 times	(D)	40 times
MCQ 7	Microbes can communicate each other by chemical language is called _____			
	(A)	Chemotaxis	(B)	Quorum Sensing
	(C)	Chemical signaling	(D)	None of the above
MCQ 8	INTESTINAL MICROBIOME Outnumber human somatic cells by Outnumber human somatic cells by factor of			
	(A)	10^2	(B)	10^3
	(C)	10	(D)	10^4
MCQ 9	<i>A.niger, A.oryzae</i> are the example of			
	(A)	Prebiotics	(B)	Probiotics
	(C)	PGP	(D)	None of the above
MCQ 10	Interferon synthesis			
	(A)	Protects the synthesizing cell from viral attack.	(B)	Signals cells nearby to synthesize antiviral proteins
	(C)	Blocks viral attachment to nearby cells	(D)	Degrades viral nucleic acids.
MCQ 11	The greatest number of microflora lives in the...			
	(A)	Large Intestine	(B)	Small Intestine
	(C)	Stomach	(D)	Pancreas
MCQ 12	Probiotics can help adults with the following			
	(A)	Irritable Bowel Syndrome	(B)	Improve stress response
	(C)	All of the above	(D)	None of the above
MCQ 13	Which of the following refers to the addition of microorganisms to the diet in order to provide health benefits beyond basic nutritive value?			
	(A)	Antibiotics	(B)	Synbiotics
	(C)	Prebiotics	(D)	Probiotics
MCQ 14	features of Mycoplasma			
	(A)	Double stranded DNA	(B)	Cell wall is made of sterol
	(C)	All of the above	(D)	None of the above
MCQ 15	Rocky Mountain Spotted fever is caused by;			
	(A)	Rickettsiae prowazekii	(B)	Coxiella burnetii
	(C)	Rickettsiae rickettsii	(D)	Rickettsiae typhi

-- All The Best--