PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2025

(Second Semester)

Branch - CLINICAL NUTRITION AND DIETETICS

MAJOR ELECTIVE COURSE - I: MEDICAL MICROBIOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks $(10 \times 1 = 10)$

Module	Question No.	Question	K Leve	со
No.	1	Lipopolysachharide is a component of cell wall of a.Gram -positive bacteria b. Gram - negative bacteria c. Virus d. Fungi	K1	CO1
	2	Which of the following about innate immunity is not correct? a. Immune response occurs in minutes b. Non- specific c. First Line of defence d. Need prior contact with antigen	K2	CO1
2	3	Find the First manifestation of Measles. a.Fever b. Rash c. dyspnea d. Wheezing	K1	CO2
	4	Humans become infected by M.tuberculosis common by a.ingestion b. contact c. inhalation d. inoculation	K2	CO2
3	5	Hepatitis B vaccine should be given as per which schedule? a. 0,1,6 days b. 0,1,6 weeks c.0,1,6 months d. 0,1,6, years	K1	CO1
	6	Zero dose of OPV is given a. At one month b. at birth c. When child is having diarrhea d. When child is having polio	K2	CO2
4	7	Which is not an agent of dysentery? a. Shigella b. E.histolytica c.V.parahaemolyticus d. V.cholerae	K1	CO1
	8	Find the following method that is used to detect specific genes of enteric pathogens. a. PCR assay b. ELISA c.ETEC d. Latex agglutination	K2	CO2
5	9	Biochemical analysis of pyogenic meningitis reveals all of the following except a.CSF Pressure -highly elevated b.Total leukocyte count- highly elevated c.neutrophillic count- highly elevated d.Total proteins highly elevated -	K1	CO1
	10	Dengue hemorrhagic fever is characterized by a. Rapid pulse b. restlessnes c. high grade continuous fever d. Lymphadenopathy	K2	CO2

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry **EQUAL** Marks $(5 \times 7 = 35)$

Module No.	Question No.	Question	K Level	со
1	11.a.	Compare the structure of Fungi and Parasites.		
		(OR)	K6	CO2
	11.b.	Relate treatment of Burns with wounds.		
2	12.a.	Analyse the pathogens of Streptococcal Diseases.	K4	
		(OR)		CO2
	·12.b.	Examine the treatment of Tuberculosis.		
3	13.a.	Distinguish between diagnosis of Hepatitis A and Hepatitis E.	K5	СОЗ
		(OR)		
	13.b.	Simplify the laboratory diagnosis of Amoebiasis.		
4	14.a.	Summarize clinical features of Cholera.	K6	CO4
	-4.1	(OR)		
	14.b.	Explain the prevention of Campylobacter Jejuni Infection.		
5	15.a.	Analyze the causes of Malaria.		CO5
		(OR)	K4	
	15.b.	List the clinical features of skin infection.		

SECTION -C (30 Marks)
Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3 \times 10 = 30)$

Module No.	Question No.	Question	K Level	СО
1	16	Elaborate on control of microorganisms by physical and chemical agents.	K6	CO3
2	17	Evaluate the causes of chicken pox and Influenza.	K4	CO4
3	18	Examine the treatment of tapeworm and roundworm infections.	K4	CO3
4	19	Recommend preventive methods of Gastroenteritis.	K5	CO5
5	20	Discuss on pathogens of Chikungunya and HINI.	K5	CO5