## Faculty Medicine- Microbiology Sept 2024 PO, CO and Mapping

Annexure-57 of AC-50/2024

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	Program and Course Outcomes										
	Step 1: Obtain course & Program outcomes										
	Program Outcomes (PO) (As per NMC Guidelines – 12.9.24)										
Program Code	Program Name										
101	MBBS										
PO1	Primary care Physician										
PO2	Healthcare Team Leader and Member										
PO3	Communicator with patients and family										
PO4	Life long Learner										
PO5	Professional										
PO6	Critical thinker										
P07	Researcher										
PO8	Digitally literate (As per workshop)										
PO9	Developed Holistically (As per workshop)										

	Course Outcomes (CO)
	Microbiology (As per NMC Guidelines – 12.9.24)
CO1	Know and describe etiology, Morphology, cultural characteristics, pathogenesis, Clinical manifestations of diseases caused by microorganisms and plan and interpret lab investigations for diagnosis of infectious diseases and do clinical correlation, describe prophylaxis for preventable infectious diseases. Describe commensals and opportunistic infections
CO2	Know proper methods of collection, storage and transport of clinical material for microbiological investigations. To maintain respect for patients samples and confidentiality
CO3	Understand the principles of Immunology, and its application in the diagnosis and prevention of infectious diseases, Autoimmune diseases and Hypersensitivity
CO4	Understand methods of disinfection and sterilisation and their application to control and prevent hospital and community acquired infections including Universal safety precautions and waste disposal
CO5	Understand different types of antimicrobials and how to use it judicially to prevent antimicrobial resistance/ antibiotic stewardship
CO6	The student should be well equipped with knowledge of prevalent communicable diseases of national importance, and of new emerging and re-emerging pathogens. Knowledge about outbreak investigation and its control

			ç	Step 2: Correl	ate COs to	o POs				
Со	urse code & name				Progra	ım code & n	ame			
CO No.	со	PO1 Primary care Physicia n	PO2 Healthcare Team Leader and Member	PO3 Communicato r with patients and family	PO4 Life long Learner	PO5 Professional	PO6 Critical thinker	PO7 Researche r	PO8 Digitally literate	PO9 Developed Holistically
CO 1	Know and describe etiology, Morphology, cultural characteristics, pathogenesis, Clinical manifestations of diseases caused by microorganisms and plan and interpret lab investigations for diagnosis of infectious diseases and do clinical correlation, describe prophylaxis for preventable infectious diseases. Describe commensals and opportunistic infections	3	3	2	3	3	3	3	2	2
CO 2	Know proper methods of collection, storage and transport of clinical material for microbiological investigations. To maintain respect for patients samples and confidentiality	3	3	3	2	2	2	3	1	2

СО3	Understand the principles of Immunology and its application in the diagnosis and prevention of infectious diseases, Autoimmune diseases and Hypersensitivity	3	3	2	3	3	3	3	2	2
CO4	Understand methods of disinfection and sterilisation and their application to control and prevent hospital and community acquired infections including Universal safety precautions and waste disposal	3	3	3	3	3	3	2	2	2
CO5	Understand different types of antimicrobials and how to use it judicially to prevent antimicrobial resistance/ antibiotic stewardship	3	3	1	3	3	3	3	2	2
CO6	The student should be well equipped with knowledge of prevalent communicable diseases of national importance, and of new emerging and re-emerging pathogens. Knowledge about outbreak investigation and its control	3	3	3	3	3	3	3	2	2

Clues :					
1. Evaluate if the Course Outcome (CO) Correlate with the explicitly stated PO.					
2. Please Mark the coorelation between CO / PO using the following scale.					
0 - No correlation					
1 - Slight (low) correlation					
2 - Moderate (medium) correlation					
3- Substantial (High) correlation					

## **Clues**:

1. Identify the major course comptencies given in the curriculum document.

2. Map which of the CO and PO is addressed by the TL activities used in the module Using

•I – Outcomes

introduced

•P - Students afforded opportunities to practice

•R – Reinforcement of practiced outcomes

 $\bullet M/C-Students \ demonstrate \ mastery/competency$ 

	СО											
CO No.	CO Definition	General Micro and ethics and commun ication	Immunol ogy	CVS and Blood infecti ons	GI and Hepatobi liary infection s	Musculo skeletal and skin and soft tissue infection s	CNS infection s	Respirator y tract infections	Genitour inary and STIs	Zoonotic diseases and Miscelle neous	Hospital acquired Infection S	Antimicr obial resistanc e and antibioti c stewards hip

C01	Know and describe etiology, Morphology, cultural characteristics, pathogenesis, Clinical manifestations of diseases caused by microorganisms and plan and interpret lab investigations for diagnosis of infectious diseases and do clinical correlation, describe prophylaxis for preventable infectious diseases. Describe commensals and opportunistic infections	I/P/R/M	I/P/R	I/P/R/M								
CO2	Know proper methods of collection, storage and transport of clinical material for microbiological	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R

	investigations. To											
	maintain respect for											
	patients samples and											
	confidentiality											
	Understand the											
	principles of											
	Immunology, and its											
	application in the											
<b>CO3</b>	diagnosis and	1/0/0	1/0/0			I/D/D	1/0/0		I/D/D	I/P/R	I/P/R	I/P/R
COS	prevention of	1/P/K	1/ 1/ 1/ 1	1/P/K	1/P/K	1/P/K	1/P/K	1/P/K	1/P/K			
	infectious diseases,											
	Autoimmune											
	diseases and											
	Hypersensitivity											
	Understand methods											
	of disinfection and											
	sterilisation and their											
	application to control											
	and prevent hospital											
CO4	and community	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M	I/P/R/M
	acquired infections											
	including Universal											
	safety precautions											
	and waste disposal											
	Understand different											
	types of											
	antimicrobials and											
	how to use it											
CO5	iudicially to prevent	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R	I/P/R
	antimicrobial											
	resistance/ antibiotic											
	stewardship											
	The student should											
	be well equipped											
	with knowledge of											
CO6	prevalent	1	I	I	I	I	I	I	I			
	communicable											
	diseases of national											
	importance, and of											

new emerging and					I	I	I
re-emerging							
pathogens.							
Knowledge about							
outbreak							
investigation and its							
control							