

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION SP/2025)

CLASS: BMLT
BRANCH: BMLT

SEMESTER : IVth
SESSION : SP/2025

SUBJECT: BMT401 MICROBIOLOGY II

TIME: 02 Hours

FULL MARKS: 25

INSTRUCTIONS:

1. The question paper contains 5 questions each of 5 marks and total 25 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates
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		CO	BL
Q.1(a)	Differentiate the following: a) therapeutic and prophylactic, b) cidal and static	[2]	1 4
Q.1(b)	Discuss mode of action of Penicillin.	[3]	1 2
Q.2(a)	Write down two examples of Nucleic acid inhibitors.	[2]	1 1
Q.2(b)	Demonstrate antiviral drugs with their mode of action.	[3]	1 3
Q.3(a)	Differentiate Live attenuated and Killed vaccines?	[2]	2 4
Q.3(b)	Explain the mechanism of viral vector vaccine with example.	[3]	2 3
Q.4(a)	Discuss DPT vaccine.	[2]	2 2
Q.4(b)	Differentiate Active and Passive immunity with examples.	[3]	2 4
Q.5(a)	Write down two airborne diseases with their causative organisms.	[2]	3 1
Q.5(b)	Describe Mycotoxins in brief.	[3]	3 2

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