

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

CLASS: BMLT
BRANCH: BMLT

SEMESTER : IVth
SESSION : SP/2025

SUBJECT: BMT407 PARASITOLOGY& CYTOLOGY

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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Q.1(a)	Differentiate the following: a) Endo and Ectoparasite, b) Acoelomate and pseudocoelomate	[2] 1	4
Q.1(b)	Discuss various characteristics of Protozoa	[3] 1	2
Q.2(a)	Draw a neat diagram of trophozoite and cyst of <i>Giardia lamblia</i> .	[2] 1	1
Q.2(b)	Discuss life cycle of <i>Trypanosoma</i> .	[3] 2	3
Q.3(a)	Explain culture media for the growth of <i>Leishmania</i>	[2] 2	2
Q.3(b)	Discuss the following- a) Nausea, b) Dysentery, c) Flatulence	[3] 2	2
Q.4(a)	Compare thick and thin blood smear for the diagnosis of malaria.	[2] 3	4
Q.4(b)	Differentiate various species of <i>Plasmodium</i> .	[3] 3	4
Q.5(a)	Explain the following: a) Quotidian malaria, b) Febrile stage	[2] 3	2
Q.5(b)	Draw a neat, labelled life cycle of <i>Plasmodium</i> .	[3] 3	2

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