

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

CLASS: BMLT
BRANCH: BMLT

SEMESTER : IVth
SESSION : SP/2025

SUBJECT: BMT407 PARASITOLOGY AND CYTOLOGY

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	Discuss the characteristics of Platyhelminthes	[5] 1	2
Q.1(b)	Enlist intestinal protozoal & Nematodal diseases with their causative organisms	[5] 1	2
Q.2(a)	Discuss the lab diagnosis for Leishmania.	[5] 2	3
Q.2(b)	Discuss pathogenesis of <i>Entamoeba histolytica</i>	[5] 2	2
Q.3(a)	Differentiate Plasmodium species with all diagnostic characteristics.	[5] 3	4
Q.3(b)	Draw the life cycle of <i>Plasmodium vivax</i> .	[5] 3	2
Q.4(a)	Draw general structure of tape worm. Discuss life cycle of <i>Taenia solium</i>	[5] 4	2
Q.4(b)	Explain pathogenesis and lab diagnosis of <i>Ascaris lumbricoides</i>	[5] 4	3
Q.5(a)	Differentiate various grades of cervical carcinoma by using PAP smear	[5] 5	4
Q.5(b)	Discuss the process of FNAC	[5] 5	2

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