

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

CLASS: B.Sc MLT  
BRANCH: MLT

SEMESTER : II  
SESSION : SP/2025

SUBJECT: BMT209 HISTOLOGY

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)	Enlist steps of tissue processing. Mention significance of histology.	[2] CO1	2
Q.1(b)	How differentiation and blueing of histological specimen is carried out.	[3] CO1	3
Q.2(a)	Write a note on rehydration and clearing of histological sample.	[2] CO1	2
Q.2(b)	Discuss automatic tissue processors.	[3] CO1	2
Q.3(a)	Why fixation is carried out? Enlist effects produced by fixatives.	[2] CO2	3
Q.3(b)	Explain properties of an ideal fixative.	[3] CO2	2
Q.4(a)	Write about classification of fixatives.	[2] CO2	2
Q.4(b)	Discuss formalin as fixative.	[3] CO2	2
Q.5(a)	Define mounting. Mention importance of mounting.	[2] CO3	1
Q.5(b)	Discuss properties of an ideal mounting media.	[3] CO3	2

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