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

CLASS: BTECH SEMESTER: VI BRANCH: BIOTECHNOLOGY SESSION: SP/2024

SUBJECT: BE403 PLANT & AGRICULTURAL BIOTECHNOLOGY

TIME: 2 HOURS FULL MARKS: 25

INSTRUCTIONS:

- 1. The total marks of the questions are 25.
- 2. Candidates attempt for all 25 marks.
- 3. Before attempting the question paper, be sure that you have got the correct question paper.
- 4. The missing data, if any, may be assumed suitably.
- 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

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Q1	(a)	List various types of sterilization techniques used in sterilizing culture media, instruments, glssswares.	[2]	CO 1	BL 1
Q1	(b)		[3]	2	4
Q2	(a)	highlighting the stage of plant secondary metabolites production. Justify.	[2]	2	6
Q2	(b)		[3]	3	4
Q3 Q3	(a) (b)		[2] [3]	3 2	2
Q4	(a)	Repeated sub-culturing of callus tissue generates somaclonal variants. Is it advantageous? Justify.	[2]	2	5
Q4	(b)		[3]	4	2
Q5 Q5	(a) (b)	'	[2] [3]	2	4

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