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

CLASS: BAM **SEMESTER : VI**
BRANCH: A&M **SESSION : SP/2025**

SUBJECT: AM306 R1 MOTION GRAPHICS

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.

			CO	BL
Q.1(a)	Define motion graphics and explain how it integrates multimedia elements for dynamic communication.	[5]	1	2
Q.1(b)	Discuss how rulers, guides, and safe area contribute to visual alignment and broadcast-safe designs.	[5]	1	2
Q.2(a)	Explain the importance of frame rate and resolution in motion graphic production.	[5]	2	2
Q.2(b)	Compare the resolution and frame rate standards of PAL, NTSC, and HDTV. Why are these important?	[5]	2	2
Q.3(a)	Illustrate the importance of keyframes and describe how different types of keyframes influence motion.	[5]	3	3
Q.3(b)	What is the function of the Graph Editor in After Effects? Give examples of how it refines animations.	[5]	3	3
Q.4(a)	What are shape layers in After Effects? Explain their role in creating vector-based motion graphics.	[5]	3	3
Q.4(b)	Explain the use of masking in motion graphics. Give a practical example.	[5]	4	2
Q.5(a)	What is a nested composition (pre-comp) and why is it used in project organization and workflow?	[5]	4	2
Q.5(b)	What is rotoscoping? Describe its use in enhancing realism in motion graphics projects.	[5]	5	2

::::::26/04/2025::::::M