

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

**CLASS: MAD  
BRANCH: A&M**

**SEMESTER : II  
SESSION : SP/2025**

**SUBJECT: AM410 R1 ANIMATION THEORY**

**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)	Define animation and explain how it differs from live-action filmmaking in terms of production approach.	[5] 1	2
Q.1(b)	Describe the basic principle behind optical toys like zoetrope and phenakistoscope.	[5] 1	2
Q.2(a)	What do you understand by Narrative Structure? Explain with a diagram.	[5] 2	2
Q.2(b)	List the 12 Principles of Animation introduced by the Disney animators Ollie Johnston and Frank Thomas in their 1981 book The Illusion of Life.	[5] 1	2
Q.3(a)	Discuss the influence of digital technology on traditional animation workflows.	[5] 4	2
Q.3(b)	What are the contemporary trends in Animation? Give some examples.	[5] 4	4
Q.4(a)	How does pacing impact the emotional rhythm of an animation? Provide a scenario to illustrate.	[5] 3	3
Q.4(b)	Explain the role of a storyboard artist in the animation pipeline.	[5] 3	3
Q.5(a)	Write a short note on the importance of sound design in animation.	[5] 2	2
Q.5(b)	Explain the importance of transitions and continuity style editing.	[5] 2	2

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