

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

**CLASS: M.SC. ANIMATION DESIGN
BRANCH: MAD**

**SEMESTER : I
SESSION : MO/2025**

SUBJECT: AM401 TRADITIONAL ANIMATION

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)	Write brief notes on the early experiments in the history of animation.	[5]	01	BL1
Q.1(b)	Describe in brief what is meant by Classical Animation and name the twelve fundamental principles of animation.	[5]	02	BL2
Q.2(a)	Outline and explain the major components of the 2D animation pre-production pipeline.	[5]	02	BL4
Q.2(b)	Explain the major phases of the 2D animation film production and post-production pipeline.	[5]	03	BL2
Q.3(a)	What is overlapping in animation? Illustrate your explanation with two examples, supported by drawings.	[5]	03	BL2
Q.3(b)	Write short note on Timing & Spacing in Animation. Give two examples with suitable drawings.	[5]	03	BL3
Q.4(a)	Explain the concept of the human walk cycle and create thumbnails illustrating all key frames.	[5]	04	BL4
Q.4(b)	Describe the human run cycle and illustrate the key frames through thumbnail drawings.	[5]	04	BL4
Q.5(a)	What makes a strong pose in animation? Explain with suitable drawings and examples.	[5]	05	BL5
Q.5(b)	What are the basic phases of a bird's wing movement during flight? Create thumbnails of key-frames.	[5]	05	BL6

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