

BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI
(MID SEMESTER EXAMINATION SP2023)

CLASS: B.Sc.
BRANCH: BAM

SEMESTER : II
SESSION : SP2025

SUBJECT: AN114 PRINCIPLES OF ANIMATION

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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Q.1(a)	Name 12 Principles of Animation.	[2]	CO1	BL 05
Q.1(b)	What do you understand by <i>Slow-in</i> and <i>Slow-out</i> ? Illustrate with an example.	[3]	CO2	05
Q.2(a)	Create thumbnail sketches of a <i>Bouncing Ball</i> animation, highlighting the principles applied in this exercise.	[2]	CO3	02
Q.2(b)	Create thumbnails of Horizontal Ball Rolling by mentioning timing, spacing, ease-in and ease-out.	[3]	CO3	03
Q.3(a)	What is <i>Anticipation</i> in animation? Explain its importance.	[2]	CO2	05
Q.3(b)	Explain how different weights are applied in animation, with suitable examples.	[3]	CO3	03
Q.4(a)	Why is the <i>Arc</i> principle important in animation?	[2]	CO1	04
Q.4(b)	Explain with examples the following points: <ul style="list-style-type: none">● Key Frame● Break-Down	[3]	CO3	03
Q.5(a)	Create thumbnail sketches for a <i>Paper Falling</i> animation.	[2]	CO5	06
Q.5(b)	Describe the principles used in Pendulum Exercise with correct gesture.	[3]	CO3	05

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