

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

**CLASS: BAM
BRANCH: BAM**

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

SUBJECT: AN25102 INTRODUCTION TO MULTIMEDIA

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 multimedia and explain how it differs from traditional media.	[5] 1	1
Q.1(b)	Explain the role of multimedia in web designing.	[5] 1	2
Q.2(a)	Explain the difference between bitmap and vector graphics.	[5] 2	2
Q.2(b)	Define NTSC, PAL and Film broadcasting formats and explain their video frame rates in detail.	[5] 2	1
Q.3(a)	Define different types of Authoring tools in detail.	[5] 3	1
Q.3(b)	Explain the role and importance of graphics cards, such as NVIDIA, in creating a multimedia project.	[5] 3	2
Q.4(a)	Define Lossy and Lossless compression used while creating multimedia videos.	[5] 4	1
Q.4(b)	Explain the 24-bit and 32-bit file formats in detail with examples of each file format type.	[5] 4	2
Q.5(a)	Explain some ethical issues related to the use of social media.	[5] 5	2
Q.5(b)	Define the Indian Copyright Act, 1957 and IPR.	[5] 5	1

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