

**GUJARAT TECHNOLOGICAL UNIVERSITY****BVOC - SEMESTER-II EXAMINATION – WINTER 2021****Subject Code: 1120204****Date: 11/01/2022****Subject Name: Multimedia Tools & Applications****Time: 02:30 PM TO 04:30 PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		<b>Marks</b>
<b>Q.1</b>	(a) What is multimedia? Describe elements of multimedia in brief.	<b>05</b>
	(b) Explain RGB Color Model in detail.	<b>05</b>
<b>Q.2</b>	(a) Explain different types of text. Also explain attributes of text.	<b>05</b>
	(b) Explain following terms: Hue, Saturation and Brightness	<b>05</b>
<b>OR</b>		
	(b) How can you create image using photoshop? Explain step by step procedure.	<b>05</b>
<b>Q.3</b>	(a) Explain digital video in detail.	<b>05</b>
	(b) How does full motion video work?	<b>05</b>
<b>OR</b>		
<b>Q.3</b>	(a) Give the difference between lossy and lossless video compression.	<b>05</b>
	(b) State features and limitations of AVI video file standards.	<b>05</b>
<b>Q.4</b>	(a) Explain Delay Effect in Sound.	<b>05</b>
	(b) Write a short note on 3D Sound.	<b>05</b>
<b>OR</b>		
<b>Q.4</b>	(a) Explain any two sound card standards.	<b>05</b>
	(b) Explain following terms: Frequency, Sound Depth, Sound Channel	<b>05</b>
<b>Q.5</b>	(a) Describe 2D Animation and 3D Animation with suitable example.	<b>05</b>
	(b) Discuss any five criteria for selecting multimedia authoring tools.	<b>05</b>
<b>OR</b>		
<b>Q.5</b>	(a) State categories of multimedia authoring tools. Explain any one in detail.	<b>05</b>
	(b) Describe Morphing in context of Multimedia.	<b>05</b>

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