Section A:

- Q1: Animation is considered as captured media. x sythesis
- Antivirus software is categorized as system software. Operating system / antivirus software /
- Q3: Multimedia authoring process consists of 3 stages which are preauthoring, authoring and post authoring. <
- Q4: Adobe Audition is a software that is used for image editing. x oudio editing
- Q5: Storyboards can be used as a communication tools.
- Q6: Yector graphics are the computer drawing that consists of pixels elements. X I fam using poligonal shape / mathematical raster image
- Q7:Most of the multimedia applications that are available in the market till year 2022 are linear based multimedia. x Non-linear (Interactive)
- Q8:Lossy compression for images does not guarantee exact reproduction of the original after decompression.

 (JPEG / MP3 use lossy)
- Q9: Sans serif fonts are suitable to be used for newspaper printing. x serif
- Q10: Multimedia programmers integrated all the multimedia elements of a project into a seamless whole using authoring system or programming language.

TRUE/ FALSE (10 marks)

Q1	False	Q6	False
Q2	True	Q7	False
Q3	True /	Q8	True
Q4	False	Q9	False
Q5	True	Q10	True



	Section B: (20 marks)			
	Q1: Staryboard serves the number of contining an idea will			
	Thumbrigits / Raigh Storyboards			
	Q2: The testing of multimedia application before launching in the market usually			
	performed in post - authoring stage.			
	Q3: Interactivity empowers the end users by letting them			
	control the content and flow of information.			
	Q4: Image Editing Software are available for creating and			
	manipulating bitmap images.			
	Vector Graphics Q5: Graphic Editing Software provide an elegant way of			
	Q5: Graphic Editing Software provide an elegant way of			
	constructing digital images whose representation is compact,			
	scalable, resolution independent and easy to edit.			
	N II' I			
	Q6: Multimedia is defined as combination of			
	two or more media elements (multimedia building block), such as text,			
	graphics, audio, video and animation integrated using a computer.			
	Video Specialists			
	Q7: Video Producer hold the responsibility in			
	managing all phases of video production, from concept to final edit.			
	Q8: When using the text media element, to avoid the " ransom-note effect" that is a busy			
	and difficult to read design resulting from extensive use of fonts and type styles on one			
	screen.			
	Q9: JPEG uses lossy compression which means that some			
	image quality is lost when the data is compressed and saved, and this quality can never be			
	recovered.			

(8)

Q10: colour depth

is the number of bits used to

indicate the color of a single pixel.

Section C: (15 marks)

- Q1: Given the resolution of 24 bits image is 800 X 600. Calculate the following:
 - (a) Number of possible colors

(2 marks)

2 24 = 16777216 possible colours

(b) File size in KB

(3 marks)

Image File size = width x height x (colour depth /8) bytes

8 bits = 1 byte

= 1440000 bytes

IKB : 1024 bytes

= 1440000/1024

= 1406.25 KB

Q2: List any TWO (2) examples for continuous media.

(2 marks)

Audio and Video

0

2-Danimation

3-Danimation

Q3: Differentiate between raster image and vector graphics by illustrating any **TWO (2)** characteristics for each. (4 marks)

Raster Image

- Photo realistic
- Bigger file size than verton graphic
- Made up of little squares, known as pixels
- When enlarged, edges become jagged

Vector Graphic

- Non photo realistic
- Smaller file size than roster image
- Made up of lines, arcs and shapes that have morthematical relation
- when enlarged, edges are clean

4

Q4: Briefly discuss any **TWO (2)** activities that normally performed during pre-authoring stage. (4 marks)

user requirements gathering: Development team will discuss with users food about their requirements to ensure the mutual understanding among development team and clients.

Storyboarding design: Development team will create storyboards which helps show the overview of the entire project storyboard also act as a communication tool for development feam and client third party / investors

Media elements: All media elements required to produce multimedia preparation project are prepared (text/image/video/audio)editing END OF PAGE

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