

(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS YEAR THREE SEMESTER TWO EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

COURSE CODE

: BIT 216

Course TITLE

MULTIMEDIA

TECHNOLOGIES

DATE: 04/02/2019

TIME: 9.00 A.M. - 11.00 A.M.

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSARY) [30 MARKS]

1	You need hardware, software and to make multimedia.		
2	A. Network B. compact disk drive C. good idea D. programming knowledge Multimedia elements are typically sewn together into a project using .		
	A. authoring tools B. multimedia tools C. audio tools D. video tools		
3	refers to any type of application or presentation that involves more than one type		
	of media, such as text, graphics, video, animation, and sound.		
	A. An executable file B. Desktop publishing C. Multimedia D. Hypertext		
5	. A smaller version of an image is called a:		
	A. clipart B. bitmap C. portable network graphic D. thumbnail		
6	. The process of planning your multimedia presentation is known as a:		
	A. design B. storyboard C. development D. layout		
4	is the special effect used to introduce each slide in a slide presentation.		
	A. Animation B. Bulleting C. Transition D. Mapping		
× 5	. Resolution of VGA monitor is (in pixel)		
	A. 640 480 B. 800 600 C. 320 440 D. 1024 768.		
x 6	. If frames are displayed on screen fast enough, we get an impression of		
	A. Signals B. Motions C. Packets D. Bits		
7	In Gray scale colour mode, we get number of different colour.		
	A. Signals B. Motions C. Packets D. Bits In Gray scale colour mode, we get		
8	. Space between two lines		
	A. Leading B. Kerning C. Tracking D. Font mapping		
9	. Conversion of an analog waves to a digital format is called		
	A. Echo B. Sampling C. Frequency D. Sound forge		
1	0. PAL is		
	A. Digital video standard B. Analog video standard		
	C. Audio file standard D. Image file standard		
1	1. DPI stands for		
	A. Display per inch C. Dots per inch D. Dots per intersection		
	C. Dots per inch D. Dots per intersection		
12	2. Leading is		
	A. Vertical gap between two lines B. Horizontal gap between two lines		
	C. Smallest component of the written language D. None of these		
1.	3. Raster Scanning starts from		
	A. Top left corner of the screen C. Bottom left corner of the screen D. Bottom right corner of the screen		
1 .			
14	In which type of streaming multimedia file is delivered to the client, but not shared?		
1.6	A. real-time streaming B. progressive download C. compression D. none of the mentioned		
1.	5. Which one of the following is the characteristic of a multimedia system?		
	A. high storage B. high data rates D. page of the mantiaged		
1.6	C. both high storage and high data rates D. none of the mentioned		
10	6. The delay that occur during the playback of a stream is called A. stream delay B. playback delay C. jitter D. event delay		
10	A. stream delay B. playback delay C. jitter D. event delay What six elements can be combined to create multimedia?		
1 /	A. Colour, hypertext, images, music, voiceover and video		
	B. Audio, hypertext, images, colour, music and animation		
	C. Text, links, animation, video, sound effects and music		
	D. Audio, images, animation, hypertext, text and video		
1 2	How can multimedia be displayed?		
10	A. Magazines, television and books B. Computers, T.V's and Websites		
	C. Magazines, newspapers and books D. Computers, newspapers and Websites		
19			
.)	display information.		
	A. Animation B. Audio C. Text D. Video		
	and the same of th		

20.	Authoring software is software that allows you to and multimedia.					
	A. Create, edit B. Edit, delete C. Copy, view D. Copy, delete					
21.	1. A way to consider ethical factors when designing is to make sure					
A. You do not offend anyone's religious or cultural beliefs B. Your design physically appeals to people						
	C. Your design is all your own work. D. Your design works the way it should					
22.	The slide controls text characteristics, background color and special effects, such as					
	shadowing and bullet style.					
	A. presentation B. master C. show D. sorter					
23.	A is family of characters or letters which have similar look. A. bold B. Italics C. underline D. typeface					
24	4. Photographs can be converted into digital form with the help of					
	A. scanner B. paint C. printer D. none of them					
25.	. Computer store the pictures in the form of					
	B pixel B character C. point D. picture					
26.	is a simple matrix of tiny dots which forms an image on the computer screen. A. Bitmap B. pixelmap C. character map D. graphic					
27	Which form of image stores the images in the form of mathematical equations?					
	A dot B, vector C, pixel D, point					
28.	While enlarging the image image will blur while image will not blur.					
	A. bitmap, vector B. vector, bitmap C. bitmap, dots D. none of them					
29.	is the fonts without decoration. A. Serif B. Sans serif C. Both (a) and (b) D. None of these					
30	Pixel contains values representing					
50.	A. colour B. size C. mass D. weight					
	QUESTION TWO [20 MARKS]					
a.	Give four common use of TEXT in Multimedia application. [4 marks]					
b.	What is meant by the terms static media and dynamic media? Give two examples of each type of					
	media. Static					
C.	Bearing in mind the characteristics of multimedia in computing, explain whether digital television					
	production fully qualifies to be classified a multimedia product or not. [10 marks]					
	✓ QUESTION THREE [20 MARKS]					
a.	Explain any three disadvantages of Graphics in Multimedia product. [6 marks]					
b.	Distinguish between bitmap and vector graphics by highlighting three attributes for each of them.					
	[6 marks]					
c.	Give two advantages and two disadvantages of vector graphics. [4 marks] [4 marks]					
d.	Give two advantages and two disadvantages of bitmap graphics. [4 marks]					
	QUESTION FOUR [20 MARKS]					
a.	Explain the difference between Animation and Video. [4 marks]					
b.	. Give four reasons why you think a multimedia developer can integrate animations in his/her					
	THE CHILL ADDITION,					
	14 marksl					
c. d.	Describe streaming as used in multimedia. Explain any four reasons why you can incorporate video in a multimedia product. [8 marks]					

d			
a.	Briefly explain the Factors that affect the quality of digital audio include:	[6 marks]	
b.	Calculate the file size of a 2-minute stereo soundtrack with a sampling rate of 5	66,200 Hertz and	
	sampling size of 32 bits in megabytes."	[3 marks]	
c.			
	i. Music	[3 marks]	
	ii. Speech	[2 marks]	
d.	Discuss three major challenges that may be experienced in the usage of multim	edia in teaching at	
	Kibabii University.	[6 marks]	