Click to download more NOUN PQ from NounGeeks.com



National Open University of Nigeria Plot 91, Cadastral Zone, Nnamdi Asikiwe Expressway, Jabi – Abuja Faculty of Sciences 2020_2 EXAMINATION ...

COURSE CODE: CIT742

COURSE TITLE: MULTIMEDIA TECHNOLOGY

CREDIT: 3 Units

TIME ALLOWED: 3 Hours

INSTRUCTION: Question ONE and any four (4) others

Question One

1a.	i.	The multimedia is faced with many challenges. Sta	te three of such
challe	enges		[3 marks]
1a.	ii.	Define Images	[2 marks]
1a.	iii.	What is a CD	[2 marks]
1b.	i.	Comprehensively, explain the term 'Sound'	[2 marks]
1b.	ii.	Explain the difference between DVD-Video and D	VD-ROM [2 marks]

- 1c.i. Give two characteristics each of the following types of images; [8 marks]
- a. Monochrome / Bitmap Image
- b. Grey scale Image
- c. 8 bit Colour Image
- d. 24 bit Colour Image
- 1c. ii. Describe the concept of "visible light" [3 marks]

Question Two

2a.	1.	Describe without using graphical illustrations Cone	s and Perception [3			
marks]						
2a.	ii.	What is a pixel?	[1 mark]			
2a.	iii.	Describe briefly 24-bit Colour Images	[2 marks]			
2b.	i.	Discuss the JPEG	[3 marks]			
2b.	ii.	List THREE System Dependent Formats.	[3 marks]			

Question Three

3a.	i.	Using a diagram only, illustrate the Human visual System.	[4 marks]
3a.	ii.	Explain GIF in details.	[2 marks]
3b.	i.	Enumerate FOUR System Independent Formats.	[4 marks]

Click to download more NOUN PQ from NounGeeks.com

3b.	ii.	Define Monitor Resolution	[2 marks]			
Question Four						
4a.	i.	Enumerate TWENTY examples of Multimedia Applications	[5 marks]			
4a.	ii.	How can Interactive Multimedia be achieved?	[2 marks]			
4b.	i.	State TWO examples of <i>streamed audio</i> (and video)	[2 marks]			
4b.	ii.	Describe Mathematical and Wavelet Transformation.	[3 marks]			
Question Five						
5a.	i.	Enumerate the FOUR characteristics of a Multimedia System.	[2 marks]			
5a.	ii.	Describe briefly the history of multimedia.	[3 marks]			
5b.	i.	How can Hypermedia be <i>experienced</i> ?	[1 mark]			
5b.	ii.	Define Video.	[2 marks]			
5b.	iii.	Explain Two-dimensional Discrete Fourier Transform (DFT).	[4 marks]			
Question Six						
6a.	i.	Define the term Multimedia.	[4 marks]			
6a.	ii.	Describe in details the techniques for reducing or eliminating	Noise in			
		Image Processing.	[3 marks]			
6b.	i.	Explain, in clear terms, Hypertext.	[1 mark]			
6b.	ii.	Which is the <i>best example</i> of hypermedia application?	[1 mark]			
6b.	iii.	Describe the <i>process of</i> Image Analysis and give ONE comm of the Histogram				