

LAGOS CITY POLYTECHNIC, IKEJA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
2016/2017 FIRST SEMESTER EXAMINATION

COURSE TITLE:	MULTIMEDIA	NO OF QUESTIONS :	7
COURSE CODE:	COM 416	TIME ALLOWED:	2 HRS
FOR WHOM:	HND II	FT INSTRUCTIONS:	
ANSWER	CS		5
	ANY		

QUESTIONS.

1. (a) Mention and explain 6 application areas of multimedia
 (b) Mention and describe features of a multimedia system
 (c) Write full meaning of the following abbreviations.
 (i) JPEG (ii) MPEG (iii) MIDI (iv) AGP
 (v) PCI (vi) MP4 (vii) URL
 (d) Mention and explain basic components of multimedia
2. (a) List and explain function and applications of the multimedia software tools.
 (b) Explain with 4 examples the basic function of multimedia terminal
 (c) Mention and explain 2 key communication modes used by a multimedia system.
3. (a) Mention and explain functions and applications of multimedia element.
 (b) Describe the creative multimedia web applications development.
 (c) Using appropriate schematic block diagram illustration, explain AUDIO-VISUAL SYSTEM INTEGRATION (AVSI).
4. (a) With aid of schematic diagram, explain multimedia element interaction (MMEI).
 (b) Explain with 3 examples, the function of multimedia input transducer devices,
 (c) Describe multimedia system interface communication.
5. (a) Explain the use, function and application of the following in a multimedia systems and equipment
 (i) Sound interface controller adapter (SICA) device
 (ii) Analog to digital converter (ADC) device
 (b) Explain the use and application of digital to analog converter (DAC) device.
 (c) Explain the relevance and importance of multimedia technology.
6. (a) Explain digital video image coding (DVIC) and its application
 (b) Differentiate between analog and digital multimedia system
 (c) Describe multimedia system networking (MSN) application
 (d) Explain the multimedia video compression (MVC) methods
7. (a) Explain with 3 practical examples multimedia output transducer device
 (b) Mention and explain application areas of multimedia video data processing and compression.
 (c) Differentiate between analog and digital image image processing
 (d) Explain multimedia signal data processing and its applications.