UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER I
SESSION 2016/2017

COURSE NAME	:	COMPUTER AND MULTIMEDIA TECHNOLOGY
COURSE CODE	:	DAE 10403
PROGRAMME CODE	:	DAE
EXAMINATION DATE	:	DECEMBER 2016 / JANUARY 2017
DURATION	:	3 HOURS
INSTRUCTION	:	ANSWERS **FIVE (5)** QUESTIONS ONLY

TERBUKA

THIS QUESTION PAPER CONSISTS OF **THREE (3)** PAGES

Q1   (a)   Multimedia technology has dominated almost all applications whether in education, medicine, business and so on. Briefly describe **four (4)** applications of multimedia technology in use at the present time.

(12 marks)

(b)   Multimedia has **five (5)** main components, please specify **two (2)** file formats for each component in multimedia.

(8 marks)

Q2   Interface is a method widely used in multimedia systems to enable users to access and explore multimedia systems effectively. Clearly explain the **five (5)** principles of good user interface.

(20 marks)

Q3   Multimedia is usually recorded and played, displayed or accessed by devices such as computers and electronic equipment.

(a)   There are **five (5)** key component in multimedia products. Briefly describe the **five (5)** components in the multimedia system.

(10 marks)

(b)   For each multimedia component, propose **two (2)** software to produce the multimedia components.

(10 marks)

Q4   (a)   Efficiency and network capacity is closely related to the type of topology selected, briefly explain the **four (4)** existing network topology, explanation should covers the physical structure of connection cables, the advantages and disadvantages of each topology.

(16 marks)

(b)   List **four (4)** servers that manage the resources of local network.

(4 marks)

Q5 (a) Explain briefly function of network security.

(4 marks)

(b) Explain clearly the **four (4)** network hardware below:

(i) Router
(ii) Switch
(iii) Bridge
(iv) Network Card

(16 marks)

Q6 (a) What is the meaning of internet and intranet?

(2 marks)

(b) Many internet applications have been developed that can be found and used easily and some are free. The applications are very helpful in our daily lives to solve various difficulties faced and get information quickly and accurately. Explain clearly the **five (5)** internet applications.

(15 marks)

(c) Explain what is meant by World Wide Web and give **two (2)** examples of web addresses in education.

(3 marks)

Q7 (a) Worms and viruses are the two main enemies of the computers, and very difficult to eliminate. Explain clearly the **two (2)** differences between them.

(4 marks)

(b) Explain clearly the **two (2)** rules on how to improve network security

(16 marks)

-END OF QUESTIONS –