UTHM
Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER I
SESSION 2013/2014

COURSE NAME : COMPUTER TECHNOLOGY AND MULTIMEDIA

COURSE CODE : DAE 10403

PROGRAMME : 1 DAE

EXAMINATION DATE : JANUARY 2014

DURATION : 2 ½ HOURS

INSTRUCTION : ANSWER **FIVE (5)** QUESTIONS ONLY

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 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) Explain briefly three (3) local network topology for each topology include advantages and disadvantages.

(15 marks)

(b) List five (5) servers that manage the resources of local network.

(5 marks)

Q5   (a)   What is 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 QUESTION -