



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2012/2013**

COURSE NAME	:	TECHNOLOGY COMPUTER AND MULTIMEDIA
COURSE CODE	:	DAE 10403
PROGRAMME	:	1 DAE
EXAMINATION DATE	:	OCTOBER 2012
DURATION	:	2½ HOURS
INSTRUCTION	:	ANSWER FIVE (5) QUESTIONS ONLY

THIS QUESTION PAPER CONSISTS OF FOUR (4) PAGES

- Q1** (a) Multimedia technology has dominated almost all applications whether in education, medicine, business and so on. Briefly describe four applications of multimedia technology in use at the present time.
- (12 marks)
- (b) Multimedia has five 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) a key component in multimedia products. Briefly describe the five (5) components in the multimedia system.
- (10 marks)
- (b) For each multimedia component, proposed 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) 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 Internet security

(16 marks)

- Q7** (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 and business.
(3 marks)