



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2011/2012**

COURSE NAME : NETWORK OPERATING SYSTEM
COURSE CODE : BIT 3263/ BIT 32603
PROGRAMME : BACHELOR OF INFORMATION
TECHNOLOGY
EXAMINATION DATE : JUNE 2012
DURATION : TWO AND A HALF HOURS
INSTRUCTION : ANSWER ALL QUESTIONS.

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

Instruction: Answer **ALL** questions

- Q1** (a) Explain why ISO introduced OSI model? (2 marks)
- (b) Illustrate and label the OSI model. (7 marks)
- Q2** (a) Define Network Operating System (NOS). (2 marks)
- (b) List **TWO (2)** examples of NOS. (2 marks)
- (c) Describe **TWO (2)** types of licensing mode. (4 marks)
- (d) List **THREE (3)** types of file systems. (3 marks)
- Q3** (a) State **ONE (1)** network protocol that is used for connection to Internet. (1 mark)
- (b) State **TWO (2)** network protocols that cannot be used to connect to Internet. (1 mark)
- (c) Explain why the protocol stated in **Q3(b)** cannot be use to connect to Internet. (2 marks)
- (d) Compare between half-duplex and full-duplex network interface card (NIC). (6 marks)
- Q4** (a) Explain what is account auditing . (2 marks)
- (b) State **THREE (3)** events or activities done by the users that can be audited. (6 marks)
- (c) Explain how to open Task Manager in Windows 2008 server . (2 marks)

- Q5** (a) List **TWO (2)** types of IP address versions. (2 marks)
- (b) Compare these IP address versions listed in **Q5(a)** by giving **TWO (2)** differences. (4 marks)
- (c) State **ONE (1)** example for each IP address versions listed in **Q5(a)**. (2 marks)
- Q6** (a) Explain why Windows 2008 R2 is released after Windows 2008. (2 marks)
- (b) Define Active Directory. (2 marks)
- (c) Discuss **THREE (3)** advantages of server-based model. (6 marks)
- Q7** NewComer ICT Solution is planning to use Windows 2008 R2 for its new server. As an IT Officer in that company, you are required to suggest the suitable filesystem. Justify your suggestion by giving **SIX (6)** advantages of using the proposed filesystem. (12 marks)
- Q8** A company called SecureICT Services Sdn Bhd wants to tighten security by using a secure method for authenticating a request for FTP and printing services in their network. Design your security model (draw) and explain. (15 marks)
- Q9** A company known as Strict ICT Policy Sdn Bhd has over 300 computer users. The company wish to prevent unauthorized users from accessing their network system. Propose **FIVE (5)** suitable account policy options for this company. (15 marks)