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Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
(ONLINE)  
SEMESTER II  
SESSION 2019/2020**

COURSE NAME : COMPUTER SYSTEM AND NETWORK  
COURSE CODE : BBU 30403  
PROGRAMME CODE : BBF  
EXAMINATION DATE : JULY 2020  
DURATION : 2 HOUR 30 MINUTES  
INSTRUCTION : ANSWER ALL QUESTION

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

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**TERBUKA**

- Q1 (a) What is the function of register? (2 marks)
- (b) List three (3) main components of computer. (3 marks)
- (c) Explain four (4) basic operations of computer. (10 marks)
- (d) Discuss four (4) methods to enhance computer performance. (10 marks)
- Q2 (a) What is the function of CPU? (2 marks)
- (b) Explain the Control Unit function. (4 marks)
- (c) Explain about the Arithmetic Logic Unit (ALU). (4 marks)
- (d) Discuss about three (3) functions of DHCP server. (15 marks)
- Q3 (a) What is the function of Packet Tracer software? (2 marks)
- (b) List three (3) equipment at OSI Layer 2. (3 marks)
- (c) Explain about Hybrid topology. (6 marks)
- (d) Based on *Figure Q3*, discuss about the topology, equipment and type of network.

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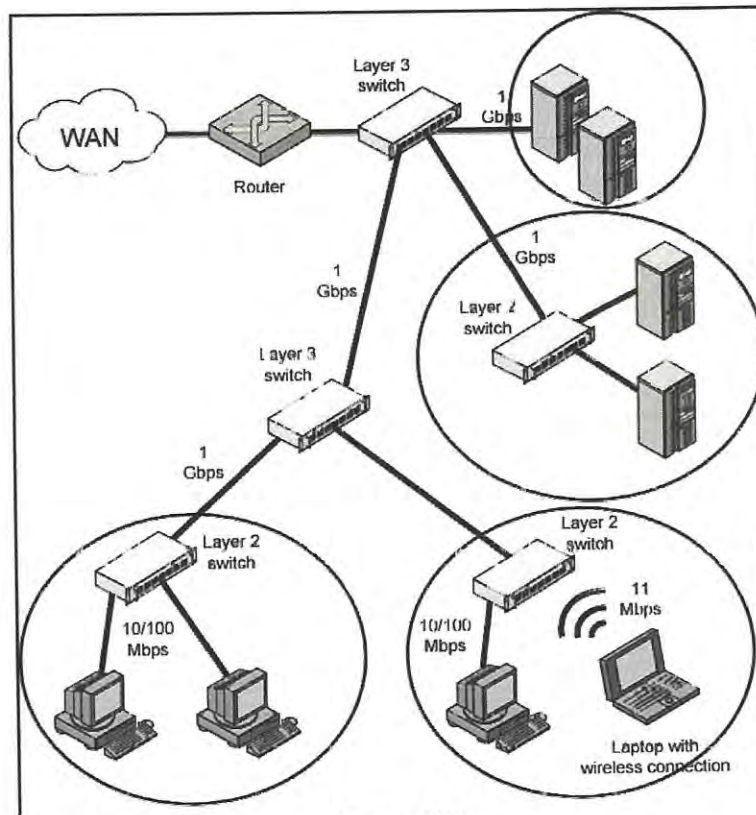


Figure Q3

(14 marks)

- Q4 (a) Define Internet Protocol? (2 marks)
- (b) Draw and label OSI Model correctly. (3 marks)
- (c) List the range for IP Address class. (8 marks)
- (d) As a network engineer, design a network for 256 users with 64 hosts for each department. Draw the network layout and the IP Address allocation using IP Address in Class C. (12 marks)

- END OF QUESTIONS -