

HOLIDAY PACKAGE

Instructions: attempt all questions _____

Question 1. Give the full form of the following abbreviations /10 Marks

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|----------|---------------------|-------------|
| 1. RFID: | 5. IEEE: | 9. CSMA/CA: |
| 2. WiFi: | 6. AP: | 10. BNC: |
| 3. IR: | 7. P ₂ P | |
| 4. WLAN: | 8. CSMA/CD: | |

Question 2. Define what wireless is. /2 marks

Question 3. a) Differentiate two (3) types of antennas /3marks

b) What is the difference between CSMA/CA and CSMA/CD /3marks

Question 4. Define the following terms: /5marks

- a) Electromagnetic wave:
- b) Infrared:
- c) Firewall:
- d) Wireless communication:
- e) Microwave communication:

Question 5. List any three (5) advantages of using wireless networks 5marks

Question 6. Give and explain IEEE WLAN Standards /6marks

Question 7. By using diagram give and differentiate WLAN topologies / 4marks

Question 8. What is the difference between a router and a wireless access point /4marks

Question 9. Which technology is most often used to connect devices to a PAN? /4marks

Question 10. Name two devices can interfere with the operation of a wireless network because they operate on similar frequencies? /4marks

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