

## **HOLIDAY PACKAGE**

**Instructions: attempt all questions** \_\_\_\_\_

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

- |          |                     |             |
|----------|---------------------|-------------|
| 1. RFID: | 5. IEEE:            | 9. CSMA/CA: |
| 2. WiFi: | 6. AP:              | 10. BNC:    |
| 3. IR:   | 7. P <sub>2</sub> 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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