

DCAP607: WIRELESS NETWORKS

Date of Exam:- 29 August
Time Allowed: 3 Hours

Session:- 9:30-12:30
Max. Marks: 80

1. This paper contains 10 questions divided in two parts on 2 pages.
 2. Part A is compulsory.
 3. In Part B (Questions 2 to 9), attempt any 6 questions out of 9. Attempt all parts of the questions chosen.
 4. The marks assigned to each question are shown at the end of each question in square brackets.
 5. Answer all questions in serial order.
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Part A

- Q.1**
- A. What is ieee 802.11? [2]
 - B. What is the difference between 802.11a and 802.11b? [2]
 - C. What are different types of wireless networks? [2]
 - D. What are the advantages of wireless networks? [2]
 - E. What is a bridge? [2]
 - F. Considering OSI model at which layer does router works? [2]
 - G. What is a wireless transceiver? [2]
 - H. What is wireless access point? [2]
 - I. What do you understand by a base station? [2]
 - J. List down 4 wireless PAN components. [2]

Part B

- Q.2** What do you understand by wireless LAN? Explain with example. Also list down the devices that could be the part of WLAN. [10]
- Q.3** What is a wireless PAN system, explain with example? Also specify wireless PAN technologies. [10]
- Q.4** What do you understand by AdHoc Wireless LAN's? What are the advantages of using it? Explain with example. [10]
- Q.5** What are the Bluetooth dongles? Explain applications. [10]
- Q.6** What do you understand by space based wireless WAN? Explain with suitable example. [10]
- Q.7** What are the security threats in wireless networks? [10]
- Q.8** How Authentication Using Public Key Cryptography is done? Explain with example? [10]
- Q.9** What do you understand by security policy? What security policies do you suggest for wireless networks? [10]
- Q.10** Write short note on following:
(a) Repeaters (5)
(b) Antennae (5) [10]