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JAYA GROUP OF INSTITUTIONS – THIRUNINRAVUR.

8TH Semester – B.E. / B.Tech.

INTERNAL ASSESSMENT-II (Model Examination –II)

Sub. Title : **Wireless Networks**
Sub. Code : **EC2043**
Duration : **180 Minutes**

Date : **10.03.2015**
Branch : **ECE**
Max. Marks: **100**

Part A - (10 x 2 = 20) Answer all questions

1. What are the advantages of wireless LAN?
2. Draw the frame format of IEEE 802.11 physical layer using FHSS.
3. Draw the MAC management frame format.
4. What are the versions of HIPER LAN?
5. What are the possibilities of communication between mobile terminal and a fixed terminal?
6. Define MANET.
7. List the application of MANETs.
8. List the hybrid protocols.
9. What do you mean by wireless sensor network.
10. Give the classifications of routing protocol in MANET.

Part B - (5 x 16 = 80) Answer the questions as per the choice.

11. (a) Explain in detail about WLAN (IEEE802.11) architecture and services. (16)

Or

- (b) Explain in detail about PHY layer. (16)
12. (a) Explain in detail about MAC layer. (16)

Or

- (b) Explain in detail about WiMax standards. (16)
13. (a) Explain in detail about HIPER LAN. (16)

Or

- (b) What is MANET? Explain in detail about MANET. (16)
14. (a) List the table driven protocols. Explain any two protocols in detail. (16)

Or

- (b).Explain in detail about any three Hybrid protocols. (16)
15. (a) List the Source-initiated On-Demand Routing Protocols. (8)
 - i) AODV (8)
 - ii) DSR (8)

Or

- (b).Explain in detail about Wireless sensor network and its applications. (16)