

**A-850**

Total Pages : 3

Roll No. ....

**MCA-E10/MCS-E10**

**(MCA)**

**(Wireless Networks)**

4th Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

**Note :-** This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**(Long Answer Type Questions) 2×19=38**

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Explain IPv6. Also explain Deployment planning for IPv6 in details.
2. Explain Solar Power and Photovoltaic system components with example.
3. What is IEEE 802 ? Explain in details Deployment planning for 802,11 wireless networks.
4. Explain TCP/IP model and protocols used in each layer of TCP/IP model.
5. Explain network maintenance and sustainability with example.

### **Section–B**

**(Short Answer Type Questions)**      4×8=32

**Note** :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. What do you mean by Physics in the real world ? Explain with example.
2. Explain Network monitoring with example.
3. What are the characteristics of Electrical system components ?

4. Explain Access Point and Access Point Configuration.
5. Explain Physical security for wireless networks with example.
6. Define Modulation. Explain working of Multiplexing with example.
7. Explain Designing of the physical network with an example.
8. Explain Explosion in spectrum demand and Spectrum hoarding ?

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