

A-1314

Total Pages : 3

Roll No.

MCA-E10/MCS-E10

Master of Computer Application (MCA)

Wireless Networks

Examination February, 2026

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.

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(1)

P.T.O.

1. What is Bandwidth ? Explain Frequencies and channels in detail.
2. What is 802.11 standard ? Explain Deployment planning for 802.11 wireless networks.
3. What are the applications of mesh networks ? Explain Routing protocols for mesh networks.
4. What are the security issues in wireless network ? Explain protection techniques and Physical security for wireless networks.
5. What is Solar Power and Solar Panel ? Explain components of Photovoltaic system in detail.

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. Explain with suitable diagrams designing of physical network.

2. Explain TCP/IP model with suitable diagram.
3. Define IPv6. Explain Deployment planning for IPv6.
4. What is Access Point ? Explain the process of Access Point Configuration.
5. Explain Multiplexing and duplexing.
6. Explain Real-time tools and intrusion detection in Network monitoring.
7. Explain the types of monitoring tools.
8. Explain Economic sustainability for wireless network.
