

S-787

Total Pages : 3

Roll No. -----

MCS-E10

Wireless Networks

Master of Computer Application (MCA)

4th Semester, Examination 2022(Dec.)

Time: 2 Hours

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.

Section – A

(Long Answer – type questions)

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.

[2 x 19 = 38]

P.T.O.

- Q.1. Define Modulation. Explain Multiplexing and duplexing in details.
- Q.2. What is an antenna? Explain types of antennas in details.
- Q.3. Explain OSI model and protocols used in each layer of OSI model.
- Q.4. Explain SSID and Network Architecture in details.
- Q.5. Explain Common network problems? What are the Proper troubleshooting techniques for Common network problems?

Section – B

(Short-answer-type questions)

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.

[4 x 8 = 32]

- Q.1. Explain the behavior of radio waves in details.
- Q.2. Define embedded device. Explain Devices and firmware for embedded devices.
- Q.3. Define 802.1X and End to end encryption.
- Q.4. What is wired wireless? Explain wireless component.
- Q.5. Explain different Types of network monitoring tools.
- Q.6. Explain Repeaters and avoiding noise in wireless deployment.
- Q.7. Explain Bandwidth impact of multi-hop relaying routes in mesh networking.
- Q.8. What is the electromagnetic spectrum? Explain Political issues in spectrum.
