

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

SCYS-124

**M.Sc. (Computer Science) (Ist Semester)
Examination, 2021**

CYBER SECURITY

Paper - MCSEC-103
(Computer Networks)

Time : 1½ Hours]

[Maximum Marks : 40

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries 1 mark.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer any *five* questions by selecting at least *one* question from each Unit (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions by selecting *one* question from each Unit (Answer limit **500** words). Each question carries **5** marks.

Section-A

1 each

1. (i) Define AM.
- (ii) Explain Star Topology.

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- (iii) Define Wireless Transmission.
- (iv) Explain Ethernet.
- (v) Describe Wireless LANs.
- (vi) Define Bluetooth
- (vii) Define IP Address.
- (viii) Explain DNS.
- (ix) Explain WWW.
- (x) Describe Multimedia.

Section-B

3 each

Unit-I

- 2. Describe Network Structure.
- 3. Explain Guided Transmission Media.
- 4. Explain FSK.

Unit-II

- 5. Explain Error Detection and Correction.
- 6. Explain ALOHA Protocols.
- 7. Explain CSMA Protocols.

Unit-III

- 8. Describe Point-to-Point Network.
- 9. Explain IPv6.
- 10. Describe UDP.

Section-C

5 each

Unit-I

11. Describe OSI Model.
12. Explain PCM.

Unit-II

13. Describe sliding window protocol.
14. Explain stop and wait ARQ.

Unit-III

15. Explain congestion control.
16. Describe TCP.