(DMCA203)

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M.C.A. DEGREE EXAMINATION, MAY – 2018
Second Year
COMPUTER NETWORKING

Time : 3 Hours   Maximum Marks :70

SECTION - A

Answer any three of the following questions.   **(3 x 15 = 45)**

Q1) Explain about frequency division and wave division multiplexing with neat architectures.

Q2) Explain various versions of CSMA protocols.

Q3) Explain distance vector routing mechanism with example.

Q4) What is internetworking? Discuss the different global addressing schemes and the issues in forwarding the IP.

Q5) What is the need of Domain name service? Explain DNS architecture.

SECTION - B

Answer any five of the following questions.   **(5 x 4 = 20)**

Q6) Write about bus and ring type network topologies.

Q7) Briefly explain about congestion control mechanism.

Q8) What is the difference between guided and unguided transmission media?

Q9) Briefly explain about wide area networks.

Q10) Write short notes on packet switching.

Q11) Briefly explain about IPV4 protocol.

Q12) Describe salient features of dynamic host configuration protocol.

Q13) Explain about e-mail security.

SECTION - C
Answer all of the following questions. **(5 x 1 = 5)**

_Q14)_ What is Ethernet?

_Q15)_ Define hamming distance.

_Q16)_ What is firewall?

_Q17)_ What is bridge?

_Q18)_ What is static and dynamic routing?

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