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Total No. of Printed Pages: [01]

Total No. of Questions: [11]

M. Com. (Semester – 3rd)
COMPUTER NETWORKS
Subject Code: MECE0-F91
Paper ID: [OE1210120]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It carries 16 marks. It consists of 4 questions of 4 marks each.
2. Section B consist of 4 questions of 8 marks each. The student has to attempt any 3 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(4 marks each)

- Q1. What Internet services are available for a user?
- Q2. What is the difference between an Internet Address and the Physical Address? How does the mapping of Internet Addresses to Physical Addresses take place?
- Q3. Who manages the Internet?
- Q4. Describe the meaning and purpose of firewall?

Section – B

(8 marks each)

- Q5. Explain the TCP/IP layer stack?
- Q6. What is the anatomy of an IP packet?
- Q7. What is congestion control in a computer network? Which techniques are the used for congestion control?
- Q8. What are Intrusion Detection Systems? Explain the different ways in which intrusion can be detected?

Section – C

(10 marks each)

- Q9. With the help of suitable drawings, explain the different internetworking devices?
- Q10. What is an IP address? What are the different class in which an IP address may exist?
- Q11. Define the following: security, reliability? How is security and reliability of transactions happening on the Internet ensured?