

Subject : Elective-I e) Networking (Systems)

Day : Saturday
Date : 17/12/2016



Time : 10.00 AM TO 1.00 PM
Max Marks : 80 Total Pages : 1

N.B.

- 1) Answer **ANY FOUR** questions from Section-I and **ANY TWO** questions from Section-II.
- 2) Answers to both Sections should be written in **SAME ANSWER** sheet.
- 3) Figure of the right indicates **FULL** marks.

SECTION-I

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|------------|--|-------------|
| Q.1 | State and Explain types of network topologies | (12) |
| Q.2 | What is modem? Describe modem Synchronous and Asynchronous transmission. | (12) |
| Q.3 | Explain and detail Wide Area Network and Local Area Network. | (12) |
| Q.4 | State and Explain Connection Oriented and Connectionless network. | (12) |
| Q.5 | Explain with neat diagram Twisted pair of cable and Co-axial cable. | (12) |

SECTION-II

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|------------|---|-------------|
| Q.6 | Write short note on | (16) |
| 1) | HUB | |
| 2) | Multiplexer | |
| 3) | Router | |
| 4) | Brouter | |
| Q.7 | Explain layers of OSI and their functionalities in detail | (16) |
| Q.8 | State and explain software and hardware protocol and explain the functionalities of protocols | (16) |

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