Subject : Computer Networks & Networking

Day : Thursday
Date : 08/12/2016

S.D.E. ‖‖‖‖‖‖‖‖‖‖
33439

Time : 02.00 P.M. TO 05.00 P.M.
Max Marks : 70   Total Pages : 1

N.B.:
1) Attempt any **FOUR** questions from Section –I and any **TWO** questions from Section –II.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SAME** answer book.

SECTION-I

Q.1 Explain OSI reference model in detail. **(10)**

Q.2 What are different types of wireless networks? Explain wireless network medium in detail. **(10)**

Q.3 What are different network communication protocols? Explain communication protocols based on polling/selection systems. **(10)**

Q.4 Differentiate between the following: **(10)**
i) Circuit switching Vs. Packet switching
ii) peer- to peer networking Vs. Server based networking

Q.5 Write short notes on Any **TWO** of the following: **(10)**
  a) Ethernet
  b) Network Interface Card (NIC)
  c) Router and Bridge
  d) Point- to-Point protocol (PPP)

SECTION-II

Q.6 What are different types of network topologies? Explain advantages and disadvantages in detail. **(15)**

Q.7 What is purpose of Network Operating System (NOS)? Explain different components of NOS. **(15)**

Q.8 What are different troubleshooting methodologies used in problems related to network communication? Explain your answer with the help of an appropriate scenario. **(15)**

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