Total No. of Printed Pages:02

SUBJECT CODE NO: H-161
FACULTY OF SCIENCE AND TECHNOLOGY
T.E. (CSE/IT)
Computer Networks - II
(OLD)

[Time: Three Hours]   **[Max.Marks: 80]**

Please check whether you have got the right question paper.
N.B
i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
ii) Attempt any two questions from the remaining questions in each section.

SECTION A

Q.1   Attempt any five questions.   10
      a.   What are the different routing algorithms.
      b.   What is internetworking?
      c.   What is ATM?
      d.   What is flooding?
      e.   What is assured forwarding?
      f.   What is tunneling?
      g.   What is DHCP?

Q.2   a.   What are the service call( ) of QoS in ATM?   07
      b.   What are the different congestion control techniques to improve QoS?   08

Q.3   a.   Explain network address translation in detail.   07
      b.   What are different integrated services? Explain in detail.   08

Q.4   a.   Explain the header formats in ATM with neat diagram.   07
      b.   Explain differentiated services in detail.   08

Q.5   Write a short note on any three.   15
      a.   Network layer design issues.
      b.   Fragmentation and tunneling
      c.   QoS in switched networks.
      d.   ATM layers.

SECTION B

Q.6   Attempt any five questions.   10
      a.   What is maximum size of TCP header?
      b.   What are the operational phases in TCP?
      c.   What is process to process delivery?
      d.   Compare primary and secondary server?
      e.   What is resolution?
      f.   What is DNS?
      g.   What is FTP?

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| Q.7 | a. | Explain DNS in internet. | 07 |
| | b. | What are the different elements of transmission control protocol? | 08 |

| Q.8 | a. | Explain SNMP in detail? | 07 |
| | b. | What is dynamic domain name system(DDNS)? Explain in detail. | 08 |

| Q.9 | a. | Explain SIP in detail. | 07 |
| | b. | What is UDP? How it is different than TCP/IP? | 08 |

Q.10   Write a short note on <u>any three</u>.   15
   a. Network management system.
   b. File transfer protocol.
   c. Connection oriented services.
   d. Process to process delivery.

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