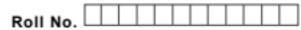


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Total No. of Questions : 18

Total No. of Pages : 02

B.Tech. (ECE) (2012 to 2017) (Sem.-7) COMPUTER NETWORKS Subject Code : BTCS-403 M.Code : 71909

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Answer briefly :

- What is OSI-1SO?
- 2. List different Ethernet versions
- 3. What is the difference between congestion control and flow control?
- What is the use of PPP protocol?
- 5. What do you understand by CDMA technology?
- 6. What do you understand multicasting routing?
- 7. What is ALOHA?
- 8. Differentiate between switch and hub.
- 9. What is subnetting?
- 10. Explain briefly the concept of cumulative acknowledgement in Go back by N protocol.



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SECTION-B

- 11. Explain briefly different congestion management techniques.
- 12. Compare OSI Reference Model with the TCP/IP Model.
- 13. Discuss about the configuration and control fields of HDLC.
- 14. Differentiate LAN, MAN and WAN network topologies.
- Describe a suitable congestion control algorithm with an example used for multicasting routing.

SECTION-C

- Compare the working of Go back by N and sliding window protocols in transport layer with the help of suitable examples.
- Compare the individual fields of IPv4 header with IPv6 header. Draw the format of an IPv6 and explain.
- 18. What is routing? At which layer it takes place? Explain hierarchical routing algorithm.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.



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