ANNUAL EXAMINATION 2020

(Only for Regular Students)

Note: Attempt any 2 questions from each unit. Each question carries equal marks

Unit I

(a) What do you mean by Data processing? Describe the various network criteria with proper examples.

(b) What do you mean by Internetwork? Distinguish between Concatenated Virtual Circuits and Connectionless internetworking

(c) Distinguish among Bus, Star and Hybrid topology in brief.

Unit II

(a) Differentiate between and analog and digital transmission. Describe various digital data transmission modes in brief.

(b) What are DTE and DCE? Describe EIA-232 DTE-DCE interface standards.

(c) What is the role of Modem? Distinguish between traditional modem and 56K modem.

Unit -III

(a) What are the functions of transport and network layers of OSI model?

(b) Describe the functions of Application and presentation layers of OSI model.

(c) What are the roles of Organizations? Describe any two organizations in brief.

Unit-IV

(a) Distinguish between OSI and TCP/IP reference models.

(b) What do you understand by IP classes and address? Explain it with suitable examples.

(c) What are the roles of FTP and HTTP protocols?

Unit-V

(a) What is the importance of Network Security?

(b) What is RSA? Explain its algorithm in brief.

(c) What do you understand by Digital signature?

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