

Total No. of Questions : 5]

SEAT No. : 11916

PC-1580

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T.Y. B.Sc. (Computer Science)

CS - 352 : COMPUTER NETWORKS - II

(Rev-2019) (CBCS) (Semester-V)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates :

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Assume suitable data, if necessary.

Q1) Attempt any EIGHT of the following (out of TEN) :

[8 × 1 = 8]

- a) What is PQDN?
- b) What does MIME mean?
- c) What is cryptography?
- d) What is a cipher text?
- e) What is the difference between symmetric key and asymmetric key cryptography?
- f) What is meant by digital signature?
- g) What is IPsec used for?
- h) What is SSL example?
- i) What is meant by PGP?
- j) What is the purpose of using proxy?

Q2) Attempt any FOUR of the following (out of FIVE) :

[4 × 2 = 8]

- a) Explain Working of SMTP.
- b) Write various approaches for Streaming Stored audio/video.
- c) What is meant by substitution cipher?
- d) What is VPN in Computer Network?
- e) What does Internet Key Exchange do?

P.T.O.

Q3) Attempt any TWO of the following (out of THREE) :

[2 × 4 = 8]

- a) How does DNS works?
- b) What do RTP packets contain?
- c) Explain RSA algorithm with example.

Q4) Attempt any TWO of the following (out of THREE) :

[2 × 4 = 8]

- a) What are the advantages of POP3 protocol?
- b) How VoIP/Internet Voice Works? Explain.
- c) Explain DES algorithm in detail.

Q5) Attempt any ONE of the following (out of TWO) :

[1 × 3 = 3]

- a) What is the difference between regular FTP and anonymous FTP?
- b) What do you mean by key rings in computer network?
