

Total No. of Questions : 5]

SEAT No. :

P1301

[6055]-302

[Total No. of Pages : 2

T.Y.B.Sc. (Computer Science)
CS - 352 : COMPUTER NETWORKS - II
(CBCS 2019 Pattern) (Semester - V)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Draw neat and labelled diagrams wherever necessary.*
- 3) *Use of calculators is not allowed.*

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

[8 × 1 = 8]

- a) What is FQDN?
- b) Where does MIME header appear?
- c) What is an anonymous FTP?
- d) Give purpose of RTCP.
- e) What is playback buffer?
- f) What is Cypher key?
- g) Does SSL mean HTTPS?
- h) What does a VPN do for?
- i) Define firewall.
- j) What is the root server in DNS?

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

[4 × 2 = 8]

- a) Explain Working of POP3.
- b) Discuss streaming live audio/video and give its examples.
- c) What is meant by transposition cipher? Give example.
- d) Explain working of TLS.
- e) What PGP? Write its purpose.

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

[2 × 4 = 8]

- a) What are the advantages and disadvantages of recursive DNS?
- b) Write a short note on SIP.
- c) What are the steps used in DES?

P.T.O.

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

[2 × 4 = 8]

- a) What is MAC? HMAC? Give one difference.
- b) Discuss various IPSec services.
- c) What is firewall? What are its types?

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

[1 × 3 = 3]

- a) How do digital signatures work?
- b) In an RSA cryptosystem, a particular A uses two prime numbers, 13 and 17, to generate the public and private keys. If the public of A is 35. Then the private key of A is?

