

1T01035 - T.E.(Electronics and Telecommunication)(SEM-V)(Choice Based) (R-19) (C Scheme) / 32227 - Department Optional Course-I: IT Infra and Security
QP CODE: 10028419 DATE: 02/06/2023

Duration: 3hrs

[Max Marks:80]

- N.B. :** (1) Question No 1 is Compulsory.
(2) Attempt any three questions out of the remaining five.
(3) All questions carry equal marks.
(4) Assume suitable data, if required, and state it clearly.

Q.1 Answer any four questions. Each question carries five marks. [20 M]

- A Explain the rootkit in detail.
- B Explain the Buffer overflow attack.
- C Differentiate OSI & TCP/IP model.
- D Write a short note on TACACS.
- E Write a short note on Windows OS Security.

Q.2 Answer the following.

- A Explain in detail Multilevel Database security. [10 M]
- B Explain the RBAC model in detail with a suitable example. [10 M]

Q.3 Answer the following.

- A Explain different types of authentication Methods. [10 M]
- B What are the design issues IT organizations to build IT infrastructure? [10 M]

Q.4 Answer the following.

- A Explain different types of software vulnerabilities and write anyone type of malware explanation in detail. [10 M]
- B Different attacks on wireless security. Explain WEP Protocol in detail. [10 M]

Q.5 Answer the following.

- A Explain Cross-site Request Forgery with an example. [10 M]
- B Explain different attacks on websites, and how to save from these attacks. [10 M]

Q.6 Answer the following.

- A Explain IP Addressing Schemes. [10 M]
- B Explain the Inference channel attack with a suitable diagram. [10 M]
