

BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)
B.Tech.Sem - VIII INFORMATION TECHNOLOGY : SUMMER : 2025
SUBJECT: CYBER SECURITY

Day : Thursday
Date : 29/05/2025

S-24771-2025

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

- Q.1 Apply mitigation technique for minimizing the loss because of the passive attacks. (10)
- Q.1 Design the system which determines the intrusion by observing the irregularities in the resource consumption. (10)
- Q.2 Apply the vulnerability assessment for the detection of the attack. (10)
- OR
- Q.2 Design a mechanism for intrusion prevention at Internet Protocol (IP) level. (10)
- Q.3 Design the Face recognition system for recognizing all the students in the class (at a time) using CCTV. (10)
- OR
- Q.3 Design the authentication system to provide the access to the system as per the role of the user. (10)
- Q.4 Apply the standard set of the procedure for the user to operate the social media account by preserving the data privacy. (10)
- OR
- Q.4 Calculate the risk of installing the app in the mobile from source other than Google Play Store. (For Android Environment) (10)
- Q.5 Design the Chain of the custody form for evidence management. (10)
- OR
- Q.5 Design the system to secure the mobile from financial frauds. (10)
- Q.6 Explain the data recovery technique for management of the evidences from the recovered data. (10)
- OR
- Q.6 Apply the IPR counterfeit for the content which is copied, twisted, designed using AI. (10)
