

**BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)**  
**B.Tech.Sem - VIII INFORMATION TECHNOLOGY : SUMMER : 2024**  
**SUBJECT: CYBER SECURITY**

Day : Wednesday

Date : 29/05/2024

**S-24771-2024**

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 Compare between passive attacks and active attacks. (10)  
OR
- Q.1 Apply the mitigation mechanism for the Malware Attacks. (10)
- Q.2 Apply the system vulnerability assessment for detection of the attack. (10)  
OR
- Q.2 Design the mechanism for the detection of the intrusion through adware. (10)
- Q.3 Apply biometric techniques for the authentication of the user. (10)  
OR
- Q.3 Explain the limitation of using Fingerprint recognition for the authentication. (10)
- Q.4 Use the standard operating procedure to use the social media responsibly. (10)  
OR
- Q.4 Explain the regulation about the intimating the user about the permissions needed to operate the app. (10)
- Q.5 Apply the procedure to detect the fabricated video. (10)  
OR
- Q.5 Explain the case study of financial frauds to gain the access of the mobile by sending the messages and asking for the OTP. (10)
- Q.6 Design the system to detect IPR infringement of textual data. (10)  
OR
- Q.6 Explain the use of social media messaging app for committing the cybercrime. (10)

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