Q.P. Code No. 16438

Fourth Semester B.Sc., Degree Examinations

May /June 2026

(SEP scheme) (Elective II)

Computer Science

SED6380 : Cyber Security

Time: 2 hrs.] *[Max.Marks:40*

Instruction to the Candidates :

1. *All Sections are compulsory.*
2. *Draw neat and labelled diagrams wherever necessary.*

SECTION – A

I. Answer all the following questions. **(2X5=10)**

1. Define Cyber Security and state its importance.
2. What is the CIA Triad in cyber Security?
3. What is Identity Theft? Give Example.
4. What is Encryption?
5. What is meant by Social media privacy?

SECTION – B

II. Answer any SIX of the following. **(5X6=30)**

6. Explain the issues and challenges of Cyber Security and Common Cyber threats.
7. Describe different types of Malware: Viruses, worms and Trojans.
8. Explain the overview of cyber laws in India (ITACT 2000).
9. Discuss Cyber Hygiene Practices for maintaining a safe digital environment.
10. Explain the difference between symmetric and Asymmetric Encryption with examples.
11. Write short notes on Hash functions and Digital Signatures.
12. Explain security issues related to social media.
13. Discuss the best practices for safe use of social media.

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