Code No.: CY405PC

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Supply) - December- 2025
INTRODUCTION TO CYBER SECURITY
(CSC)

[Time: 3 Hours] **[Max. Marks: 70]**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A **(20 Marks)**

1. a) Define threat. [2M]
   b) Define cyber security. [2M]
   c) What is a Firewall? [2M]
   d) List out cyber security regulations. [2M]
   e) What is organizational security? [2M]
   f) List out the different types of attacks on mobile devices. [2M]
   g) Define phishing. [2M]
   h) Who are cyber criminals and its types? [2M]
   i) What is meant by privacy policy language? [2M]
   j) What is a Data Breach? [2M]

PART-B **(50 Marks)**

2. Explain different types of cyber-attacks with examples. [10M]
   OR
3. Explain comprehensive cyber security policy. [10M]

4. Write a brief note on national cyber security policy. [10M]
   OR
5. Analyze challenges in computer forensics. [10M]

6. Demonstrate organizational security policies and measures in mobile computing era. [10M]
   OR
7. Explain security challenges posed by mobile devices. [10M]

8. Discuss web threats for organizations briefly. [10M]
   OR
9. Explain security risks and perils for organization. [10M]

10. Discuss case study on Indian case of online gambling. [10M]
    OR
11. Categorize data privacy attacks with examples. [10M]

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