B.E. (Information Technology) Eighth Semester (C.B.S.)
Elective-IV : Cyber Security

Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.
8. Due credit will be given to neatness and adequate dimensions.
9. Assume suitable data whenever necessary.
10. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Define and explain cyber crime. Explain classification of cyber crime. 7

   b) Explain the following term - 6
      i) Salami Attack
      ii) Cyber Defamation

OR

2. a) What is industrial spying or Industrial Espionage ? How does it effect on working of Industries. 7

   b) Write short note on : 6

      i) Data diddling

      ii) Web jacking

3. a) With proper example explain passive attacks and active attacks. 7

   b) State the significance of social engineering. 7

OR

4. a) Explain the effect of cyber crime in cloud computing. 7

   b) Define cyber stalking and give the types of cyber stalking. 7

5. a) State and explain security challenges posed by mobile devices. 7

   b) List out various attack on mobile phones briefly explain any two. 6

OR

6.	a)	Explain various types of credit card fraud.	7
	b)	How to manage diversity and proliferation of hand-held devices.	6
7.	a)	List out different types of viruses differentiate between virus and worms.	7
	b)	List out differences between - i) Software keyloggers and hardware keyloggers. ii) Online attack and offline attack	6

OR

8.	a)	Explain term steganography with help of suitable example.	7
	b)	Write short note on SQL injection buffer overflow.	6
9.	a)	Explain various types of phishing scams.	5
	b)	Write note on : i) Spy phishing ii) Spear Phishing	8

OR

10.	a)	What are various techniques of ID theft ? How to efface your identity.	8
	b)	Write short note on : "Personality Identifiable Information".	5
11.	a)	Why do we need cyber law ? Explain legal landscape around the world.	7
	b)	What are different amendments to the Indian Act ?	7

OR

| 12. | a) | Explain the consequences of not advertising the weakness in Information Technology Act. | 7 |
| | b) | Give the significance and implementation of digital signatures. | 7 |

****