

Total No. of Questions : 4]

SEAT No. :

**P8917**

[Total No. of Pages : 2

**Oct-22/BE/Insem-46**

**B.E. (Computer Engineering)**

**CYBER SECURITY AND DIGITAL FORENSICS**

**(2019 Pattern) (Semester - VII) (Elective - III) (410244C)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates :*

- 1) *Answer Q1 or Q2, Q3 or Q4.*
- 2) *Neat diagrams must be drawn whenever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data, if necessary.*

- Q1)** a) Define cybercrime. Explain types of cybercrime. [5]
- b) Explain the process of security risk analysis. [5]
- c) Give the reasons behind the need for information security. [5]

OR

- Q2)** a) Explain different threats to Information System. [5]
- b) What do you mean by Cyber extortion, Drug trafficking? [5]
- c) Describe in detail about cyber crime against an individual and organization. [5]

- Q3)** a) Explain in detail OS security. [5]
- b) What are different types of viruses and worms? How do they propagate? [5]
- c) What do you mean by Intellectual Property? [5]

OR

**P.T.O.**

- Q4)** a) Explain internet hacking and different approaches of hacking. [5]
- b) What are the different ways to gain access to your Computer System? [5]
- c) Explain the significance of Firewall and VPN security technologies. [5]

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