

B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)  
Computer Science & Business Systems

B.Tech. (CSBS) Sem - VI :SUMMER : 2023

SUBJECT : INFORMATION SECURITY

Day : Wednesday

Date : 24-05-2023

S-20470-2023

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) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

Q.1 What are different implementation and operational issues in information security? [10]

OR

Compare symmetric and asymmetric cryptosystems. [10]

Q.2 Explain roll based and task based models in detail. [10]

OR

Consider real time examples to explain Authorization and Authentication. [10]

Q.3 What is confidentiality? Explain various confidentiality policies. [10]

OR

Explain in detail Security Requirement Specifications. [10]

Q.4 What is threat in information security? Consider real time example to explain. [10]

OR

Explain in detail threat modeling and planning. [10]

Q.5 How does malicious logic is developed? [10]

OR

How does data privacy is maintained? Explain in detail. [10]

Q.6 How does database auditing is done? [10]

OR

Mention any five information security standards and explain in detail. [10]

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