

No Preview  
Available

Total No. of Question : [4]

Registration No. :

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Programme Name : Computer Science & Engineering(DS)

Regular T.Y.B.Tech. Sem. VI ESE May / June 2023

VI SEMESTER ( 2020 BATCH)

201DSL315-Information Security(TH)

Duration : 2 Hours

Marks : 50

Instructions :

(Q1) All Questions are compulsory [20.0]

(1.1) Explain X.800 Security Services in detail ? [6.0]

CO :- 1

Blooms Taxonomy :- Understand

(1.2) Perform encryption and decryption using the RSA algorithm, Given: [7.0]

$p = 3$ ;  $q = 11$ ,  $e = 7$ ;  $M = 5$ ,  $d=23$

CO :- 2

Blooms Taxonomy :- Apply

(1.3) Explain the format of the X.509 certificate? [7.0]

CO :- 3

Blooms Taxonomy :- Analyze

(Q2) All Questions are compulsory [10.0]

(2.1) What is secure electronic transaction and how it can be achieved? [4.0]

CO :- 4

Blooms Taxonomy :- Apply

(2.2) What are the requirements for message authentication? [6.0]

CO :- 4

Blooms Taxonomy :- Apply

OR [ 2.2 / 2.3 ]

(2.3) State & explain SSL record format ? [6.0]

CO :- 4

Blooms Taxonomy :- Apply

(Q3) All Questions are compulsory [10.0]

(3.1) Write about the following terms: a) Trademarks b) Copyrights c) Patents [3.0]

**CO :- 5**  
**Blooms Taxonomy :- Analyze**

(3.2) State and explain IT security acts ? [7.0]

**CO :- 5**  
**Blooms Taxonomy :- Analyze**

**OR [ 3.2 / 3.3 ]**

(3.3) What are OS Security Functions? [7.0]

**CO :- 5**  
**Blooms Taxonomy :- Analyze**

**(Q4) Attempt any two out of three questions [10.0]**

(4.1) What is SQL Injection? Explain types of SQL Injections? [5.0]

**CO :- 6**  
**Blooms Taxonomy :- Understand**

(4.2) Explain Zero Trust architecture [5.0]

**CO :- 6**  
**Blooms Taxonomy :- Understand**

(4.3) What is Malware? List & explain different types of malwares ? [5.0]

**CO :- 6**  
**Blooms Taxonomy :- Understand**

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