(B.Tech IV Sem Paper)

December/June : ...June 2022...........................

Subject Name & Code: Cryptography & Encryption Technique (CSL0462)

Time: 1.5 Hours

Total Marks: 30

Note: Attempt all questions.

1. Write a short note on Elgamal Digital Signature.   6

Or

What is the difference between MAC and Message Digest?

2. Describe the advantage and disadvantage of symmetric and asymmetric key cryptography.   6

Or

How many type of Random number generator available explain any one?

3. Give the structure of AES. Explain how Encryption/Decryption is done in AES.   6

Or

What is Birthday Attack on Digital Signatures?

4. Write the content of an X.509 certificate and also write its extension.   6

Or

Perform decryption and encryption using RSA algorithm with p=3, q=11, e=7 and N=5.

5.   How many type of Password authentication protocol .Explain any one?   6

Or

What are the requirements of cryptographic hash functions?