

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)

B.Tech.Sem - VII COMPUTER : : SUMMER - 2022

SUBJECT : NETWORK SECURITY & CRYPTOGRAPHY

Day : Tuesday
Date : 31-05-2022

S-13667-2022

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) Assume suitable data if necessary.
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Q.1 What are the goals of security? Explain physical and logical access control. **[10]**

OR

Explain the working of Non-repudiation and Denial of service attack.

Q.2 Draw and explain Data Encryption Standard (DES). **[10]**

OR

What is Blowfish? Explain S-Box theory of DES.

Q.3 Discuss the process of Digital Signature in detail. **[10]**

OR

What is LDAP protocol? Explain the process of creating Digital Certificates using Java.

Q.4 Why does PGP generate a signature before applying compression? List out requirements defined by KERBEROS. **[10]**

OR

Draw and explain IPV-4 header.

Q.5 Explain in detail Encapsulating security payload. **[10]**

OR

Write down the working of each layer of TCP-IP protocol suite.

Q.6 Draw and explain architecture of distributed intrusion detection. **[10]**

OR

What is firewall? Explain the services and limitations of it in detail.

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