

**B. Tech. 7th Semester (IT) F. Scheme Examination,
December-2017**

**NETWORK SECURITY AND MANAGEMENT
Paper-IT-465-F**

Time allowed : 3 hours *[Maximum marks : 100]*

*Note : Attempt five questions in all selecting one from each
unit. Question No. 1 is compulsory.*

1. Explain the following :
 - (i) DES
 - (ii) RSK
 - (iii) Firewalls
 - (iv) DSL 20

Unit-I

2. What do you understand by stream ciphers ? Explain in detail. 20
3. Describe the following :
 - (i) Statistical theory of Cipher Systems
 - (ii) Complexity theory of crypto systems. 20

Unit-II

4. Describe the following :
 - (i) Elliptic Curve Based Systems
 - (ii) Knacksack Systems. 20
5. Explain in detail about system identification and Clustering. 20

Unit-III

6. Give a complete descriptions about IP Security. 20
7. Explain the following :
- (i) Secure Socket Layer and Transport Layer Security
 - (ii) Firewalls. 20

Unit-IV

8. What do you understand by Telecommunication Network Architecture. 20
9. Explain the following :
- (i) SNMPv1
 - (ii) ATM
 - (iii) RMON 1 & 2 20