

**SUBJECT CODE NO: E-22**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**B.E.(CSE/IT) Examination Nov/Dec 2017**  
**Computer System Security and Laws (CSE-IT)**  
**(REVISED)**

**[Time: Three Hours]**

**[Max.Marks:80]**

- N.B Please check whether you have got the right question paper.
- i) Q.1 and Q.6 are compulsory.
  - ii) Attempt any two questions from Q.2 to Q.5 and Q.7 to Q.10

**Section A**

|     |  |          |
|-----|--|----------|
| Q.1 | What is the role of firewalls in network security? Explain types of firewalls and its functionalities. | 10       |
| Q.2 | a) Explain any four substitution techniques.<br>b) Explain network security model                      | 08<br>07 |
| Q.3 | a) Describe extensible Authentication protocol (EAP).<br>b) Explain Digital Signature.                 | 08<br>07 |
| Q.4 | a) Explain RSA with example.<br>b) Explain Date encryption standard (DES)                              | 08<br>07 |
| Q.5 | a) Explain Role based and Rule based Authentication<br>b) Explain Active attacks with example.         | 08<br>07 |

**Section B**

|      |  |          |
|------|--|----------|
| Q.6  | Explain with example Secure Electronics Transaction (SET).   | 10       |
| Q.7  | a) Explain working of Pretty Good Privacy (PGP) protocol.<br>b) Write a short note on security in 3G.  | 08<br>07 |
| Q.8  | a) What is the standard procedure to handle incident.<br>b) Explain TLs and TLS Record protocol. Also explain TLS Handshake.   | 08<br>07 |
| Q.9  | a) What is cyber forensics? Explain procedure of cyber forensics.<br>b) Explain incident response policy, plan and procedure.  | 08<br>07 |
| Q.10 | a) What are the objectives of ITACT 2000. Write any three offences and corresponding penalties mentioned in ITACT2000.<br>b) Explain any two computer forensics tools. | 08<br>07 |