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**SUBJECT CODE NO:- H-119**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.E. (CSE/IT)**  
**Computer System Security and Laws (CSE/IT)**  
**(REVISED)**

[Time: Three Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

- N.B
- 1) Q. No. 1 and Q. No. 6 are compulsory.
  - 2) From the remaining question in Section A and B students are supposed to solve any two questions from each section.

**Section A**

- Q.1 a) What are the system security goals? Explain why balance among different goals is needed. 05  
 b) Differentiate between active attack & passive attack. 05
- Q.2 a) How does Kerberos work? Explain with example? 08  
 b) Explain RSA algorithm in details along with suitable example? 07
- Q.3 a) Explain working of AES algorithm in details. 08  
 b) Explain cryptographic Hash function. 07
- Q.4 a) Draw and explain Network Security Model. 08  
 b) What is Biometrics? State its importance? Explain different types of Biometrics. 07
- Q.5 Write a short note on:- 15
- a) Digital Signature
  - b) User Name and Password
  - c) Extensible Authentication Protocol [EAP]

**Section B**

- Q.6 a) List & Explain different types of incident. 05  
 b) List & Explain different types of Computer forensic tools. 05
- Q.7 a) How does PGP achieve confidentiality and authentication in Email? 08  
 b) Why Secure Socket Layer (SSL) is needed? What are the different features SSL provides? 07  
 Explain how SSL works?

- Q.8 a) What is the purpose of incident response plan & elaborate its goals. 08  
b) Give reason for Birth of the IT Act 2000. Explain IT Act 2000. 07
  
- Q.9 a) What is Cybercrime? List & Explain different types of cyber-crime. 08  
b) What is Cyber forensics? Explain procedure of cyber forensics. 07
  
- Q.10 Write a short note:- 15
  - a) Security in 3 G
  - b) Investigative incident Response action.
  - c) Wireless Application Protocol