| S.No | Question(s) | CLO |
|---|---|---|
| 1 | In the RSA public key cryptosystem, which number will always be largest? | CLO 1 |
| 2 | Richard received an encrypted message sent to him from Sue. Which key should he use to decrypt the message? | CLO 1 |
| 3 | What is the value of (i) -3mod6 and (ii) -17mod 7 | CLO 1 |
| 4 | (i) $\phi(19)$=?        (ii) GCD(18,300)=? | CLO 2 |
| 5 | What is the value of 73 mod 19? | CLO 2 |
| 6 | What do you understand by Digital signatures? | CLO 2 |
| 7 | If you were to use a Caesar cipher with a key of 3 shifts to the right, how would you encrypt the word: Cryptography? | CLO 2 |
| 8 | Find the primitive roots of 5. | CLO 1 |
| 9 | What is a stream cipher? | CLO 2 |
| 10 | Give the formula for Fermat's Little Theorem. | CLO 2 |

## PART B:(10*3)

| S.No | Question(s)( with Marks) | CLO |
|---|---|---|
| 1 | Explain Diffie Hellman Key Exchange Algorithm. | CLO 1 |
| 2 | What do you understand by the RSA encryption algorithm? | CLO 2 |
| 3 | What are 2 Symmetric key algorithms? Explain any one. | CLO 1 |
| 4 | Explain 3 different Internet Security Protocols. | CLO 2 |

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