



H1076

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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Scheme for Valuation/Answer Key

Scheme of evaluation (marks in brackets) and answers of problems/key

EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019

Course Code: EC468

Course Name: SECURE COMMUNICATION

Max. Marks: 100

Duration: 3 Hours

PART A

Answer any two full questions, each carries 15 marks.

Marks

- | | |
|--|------|
| 1 a) Discussion | (5) |
| b) Steps (3.5 Marks) | (5) |
| Final Answer (1.5 Marks) | |
| c) Explain any 3 types | (5) |
| 2 a) Proof | (5) |
| b) Differentiate between group, ring, abelian group and field(7) with examples(3). | (10) |
| 3 a) Yes, under the operator addition(1),explain(4) | (5) |
| b) Inverse(2.5) identity(2.5) | (5) |
| c) Discussion | (5) |

PART B

Answer any two full questions, each carries 15 marks.

- | | |
|---|------|
| 4 a) 5 properties | (5) |
| b) Steps(2)final(2) | (5) |
| c) permutation (2.5)+ substitution(2.5) | (5) |
| 5 a) four transformation with diagrams(4 x 2.5 =10) | (10) |
| b) discussion | (5) |
| 6 a) Explanation(7) example (3) | (10) |
| b) Step-(3marks), final answer(2marks) | (5) |

PART C

Answer any two full questions, each carries 20 marks.

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|-------------------------|------|
| 7 a) Steps-8 problem -7 | (15) |
| b) discussion | (5) |
| 8 a) discussion | (5) |



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- b) Diagram(5) discussion(5) (10)
- c) Concept of SALT(3),Discussion(2). (5)
- 9 a) Give analogy(4) and explanation(6) (10)
- b) Any two applications (5)
- c) Rule based(2.5) anomaly based(2.5) (5)

