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: EE468
Course Name: Computer Networks

Max. Marks: 100   Duration: 3 Hours

PART A
Answer all questions, each carries 5 marks.

                                                                      Marks

1   Any 5 design issues- 1 mark each   (5)

2   Working of ALOHA protocol- 5 marks   (5)

        (Pure ALOHA and Slotted ALOHA)

3   Count to infinity problem explanation- 4 marks   (5)

        Suitable diagrams- 1 mark

4   Listing primitives   (5)

        LISTEN, CONNECT, SEND, RECEVIE, DISCONNECT – 1 mark each

5   Comparison- any 5 points- 1 mark each   (5)

6   Explanation of RPC- 5 marks   (5)

7   Mail submission, message transfer, final delivery, user agents- 1 mark each   (5)

8   Definition- 2 marks   (5)

        Components- Protocol, DNS name, path name- 1 mark each

PART B
Answer any two full questions, each carries 10 marks.

9   Layered diagram- 5 marks   (10)

        Explanation of layers- 5 marks

10   Features of wireless LAN – 5 marks   (10)

        Frame format – 3 marks

        Explanation – 2 marks

11   a)   Justification- 5 marks   (5)

      b)   Any 5 assumptions- 1 mark each   (5)

PART C
Answer any two full questions, each carries 10 marks.

12 a) Explanation of Dijkstra algorithm- 6 marks   (10)

Example- 4 marks

13 a) Connection establishment steps with diagrams- 5 marks   (5)

b) Connection release steps with diagrams- 5 marks   (5)

14 a) Flooding algorithm explanation- 4 marks   (5)

Diagram- 1 mark

b) Multiplexing explanation- 5 marks   (5)

PART D
Answer any two full questions, each carries 10 marks.

15 a) UDP datagram format- 3 marks   (8)

Explanation- 5 marks

b) Any two applications- 1 mark each   (2)

16   DNS Namespace- 6 marks   (10)

Hierarchy in DNS- 4 marks

17 a) Explanation of sliding window protocol- 3 marks   (5)

Diagram-2 marks

b) Definition – 1 mark each   (5)

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