

Reg No.: _____

Name: _____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITYTHIRD SEMESTER REGULAR AND FIRST SEMESTER SECOND YEAR DIRECT MCA
DEGREE EXAMINATION(S), MAY 2019**Course Code: RLMCA201****Course Name: COMPUTER NETWORKS**

Max. Marks: 60

Duration: 3 Hours

PART A*Answer all questions, each carries 3 marks.*

Marks

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|---|---|-----|
| 1 | Summarise the working of network protocol. | (3) |
| 2 | Model the working of FTP. | (3) |
| 3 | How many port numbers are there? Explain. | (3) |
| 4 | Explain tunnelling. | (3) |
| 5 | Analyse the features of CDMA. | (3) |
| 6 | Describe Ethernet frame structure. | (3) |
| 7 | Describe the function of traceroute tool. | (3) |
| 8 | Differentiate between active attack and passive attack. | (3) |

PART B*Answer six questions, one full question from each module and carries 6 marks.***Module I**

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|---|---------------------------|-----|
| 9 | Demonstrate TCP/IP suite. | (6) |
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OR

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| 10 | Break down the major security concerns related to Internet. | (6) |
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Module II

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| 11 | Design the working of DNS with diagrams where ever necessary. | (6) |
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OR

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| 12 | Demonstrate how scalability is achieved in P2P architecture. | (6) |
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Module III

13 Discuss the importance of transport layer in Internet. (6)

OR

14 Compare rdt2.0 model with rdt3.0 model. (6)

Module IV

15 Illustrate IP fragmentation and reassembly with a neat diagram. (6)

OR

16 Illustrate Link State algorithm. (6)

Module V

17 Discuss the services provided by link layer. (6)

OR

18 Demonstrate the working of ARP protocol with an example. (6)

Module VI

19 Illustrate how network management is performed. (6)

OR

20 Illustrate handoffs in GSM. (6)
