2. What is TCP-IP reference model ? Explain each layer with suitable diagram.

3. What is wireless transmission media ? Describe line of sight propagation method with suitable diagram.

4. What is Layer-3 switch ? Explain its basic features with suitable figure and examples.

5. How website name is resolved to IP Address ? Explain each steps with suitable example.

Section - B
(Short-Answer-Type Questions)

Note - Section 'B' contains Eight (08) short-answer-type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.

(5 × 7 = 35)

1. What is DNS ? Explain its functionality with suitable example.

2. Explain the IEEE802.4 frame format with proper diagram.

3. What is Firewall ? Explain its functionality with suitable diagram

4. What is Piconet ? How it is differ from Scatternet ?

5. What is IEEE802.11 ? Explain with suitable example.

6. What is Full duplex communication protocol ? Explain with suitable example.

7.   Compare OSI reference model with TCP / IP Model.

8.   What is web browser ? Explain any one web browser with its functionality.

BCA - 14

Data Communication and

Computer Networks

Bachelor of Computer Application

(BCA - 11/16/17)

Fifth Semester, Examination - 2019

Time : 3 Hours   **Max. Marks : 80**

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Note - This Paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the Questions contained in these sections according to the detailed instructions given therein.

Section - A

(Long-Answer-Type Questions)

Note - Section 'A' contains Five (05) long-answer-type questions of Fifteen (15) marks each. Learners are required to answer any Three (03) questions only.

(3 × 15 = 45)

1.   What is network Topology ? Explain any three topology with suitable diagram and example with advantage and disadvantage of each.