# MCA-04 (New)

## June - Examination 2016

# MCA Ist Year Examination

# Fundamentals of Networking and Web Technology

## Paper - MCA-04 (New)

**Time : 3 Hours ]**          **[ Max. Marks :- 80**

**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

### Section - A      $8 \times 2 = 16$

(Very Short Answer Questions)

**Note:** Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.
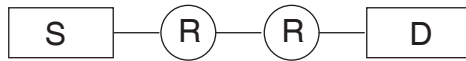
1) (i) What is hub?

    (ii) What is client side scripting language?

    (iii) Name three web browser.

    (iv) What do you mean by protocol?

    (v) The combination of an IP adress and a port number is known as _____ .

    (vi) How can you put comments in HTML?

    (vii) Write the syntax of for loop in Java Script.

    (viii) What is modem?

**Section - B** $4 \times 8 = 32$

(Short Answer Questions)

**Note:** Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 8 marks.

2) Compare LAN, MAN and WAN.

3) Assume that source S and destination D are connected through two intermediate router labeled R. Determine how many times each packet has to visit the network layer and the data link layer during transmission from S to D.

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[ S ]—( R )—( R )—[ D ]
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4) Discuss various modes of communication.

5) Write short note on satellite communication.

6) Explain the working of DNS.

7) Discuss various classes of IP address.

8) How XML differs from HTML? Explain with example.

9) What is the use of Router?

**Section - C**                    $2 \times 16 = 32$

(Long Answer Questions)

**Note:**  Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 16 marks.

10) Explain HTML form tag. Also explain how to validate data in form fields using Java Script with suitable example.

11) Why layered architecture is preferred in computer network? Compare ISO-OSI and TCP-IP model.

12) What are the features of Java Script? Discuss the importance of objects in Java Script with suitable example.

13) What is Internet? Explain its architecture with neat diagram.

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