

MSCCS-11/MSCCS-205/MCA-205

June - Examination 2018

MSCCS-Final/MCA-IIInd Year Examination**Data Communication and Networks****Paper - MSCCS-11/MSCCS-205/MCA-205****Time : 3 Hours]****[Max. Marks :- 100**

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

Section - A**10 × 2 = 20**

(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) Define Intranet.
- (ii) Discuss the specification of 10BASE-T.
- (iii) What is IEEE 802.11?
- (iv) List any four advantages of e-commerce.
- (v) Give the definition of Bandwidth.
- (vi) What is Cookies?

- (vii) Suppose there are 'n' nodes in a network, then what is the number of links needed to connect the network in mesh topology?
- (viii) What is DNS?
- (ix) Give an example of HTML unordered list.
- (x) Name any two web browser.

Section - B**4 × 10 = 40**

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Write short note on JavaScript Timing Events.
- 3) What is Search Engine? Discuss the role of crawlers in Search Engines.
- 4) Explain any two e-mail transfer protocols.
- 5) Write a program in ASP to sort an array of 10 elements (in ascending order).
- 6) How cable modem works? Explain.
- 7) Discuss the difference between IPv4 and IPv6.
- 8) Explain the working of Telnet in details.
- 9) What is Internet Relay Chat? Explain the features of an Internet Relay Chat.

Section - C**2 × 20 = 40**

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) What is HTML? Discuss various input elements in HTML with suitable example.
- 11) Why UDP is known as connectionless protocol? Explain UDP message format in detail.
- 12) Why ASP is known as server side scripting language? Describe various control structures in ASP with suitable example.
- 13) How JavaScript can be used to validate input data in HTML before sending to a server? Write the function in JavaScript:
 - (a) To check the required field is left empty.
 - (b) To check if the content has general syntax of an email.
