PG ODD SEMESTER (CBCS) EXAM., FEBRUARY 2021

COMPUTER SCIENCE

5th Semester

COURSE NO. MCSCC - 501

(Internet Technologies)

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(Answer any five)

UNIT - I

1. a) Define Internet. Explain distinguishing characteristics of Internet. 2+5=7

   b) Explain the architecture of the Internet briefly. 5

   c) What is RFC? 2

2. a) Explain various applications of the internet. 4

   b) What are different mode of transmission? Explain advantages and disadvantages of them. 3+3=6

c) What is the purpose of wireshark? 2

d) Explain working of LAN. 2

UNIT - II

3. a) Explain the steps of design and development of a corporate website. 5

b) How the servers of a corporate website are kept secure and protected from unauthorised users? 3

c) Explain the working of payment gateway. 6

4. a) What is E-commerce? Explain various business models of E-commerce. Explain security systems for safe E-payments. 2+4+5=11

b) Explain how to place a call using X-lite. 3

UNIT - III

5. Describe DHTML and XML in detail. 14

6. Write a program in HTML to implement the following:

i) To insert two image files. 7+7=14

ii) To use hyperlink to connect two pages.

UNIT - IV

7. What is a script language? Discuss the features of VB script and its functionalities? 7+7=14

8. a) Compare between Java script and VB script. 7

b) Write a program in VB script to find out the maximum of three numbers. 7

UNIT - V

9. a) Explain Java Server pages. 7

b) Explain Active Server pages. 7

10. Explain JAVA Servlet programming in detail. 14