Code No. : C-296

Annual Examination - 2018

BCA Part - II

BCA - 204

COMPUTER NETWORKING AND INTERNET

TECHNOLOGY

Max.Marks : 100

Time : 3 Hrs.   Min.Marks : 40

Note : Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences :   (2 × 10=20)

Q.1   What is meant by Topology? Name some popular topologies.

Q.2   Write two disadvantages of Star Topology.

Q.3   Which layer of OSI is responsible for end-to-end communication?

Q.4   What is TCP/IP model?

Q.5   What do you mean by digital data transmission?

Q.6   Explain the function of modem.

Q.7   What is image map?

P.T.O.

Q.8   Write the purpose of using tables in HTML.

Q.9   What do you mean by dynamic HTML?

Q.10 What is Inline style?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 :   **(6 × 5=30)**

Q.1   Explain in detail about token rings with diagram.

OR

Describe a Local Area Network (LAN) and state two advantages derived from it.

Q.2   List the three key differences between TCP reference model and OSI reference model.

OR

How TCP provides reliability in the network?

Q.3   Differentiate between Serial and Parallel transmission of data.

OR

How communication takes place with the help of modem?

Q.4   How do you create hyperlinks in HTML? What are <div> and <span> tags?

OR

Explain the following text of HTML for the purpose they are used with the help of an example.

(i)   Header   (ii)   Table   (iii)   List

Q.5   Why a web server is required? Explain the different functionalities of web server.

OR

What is Java Script? Enumerate the difference between Java and Java Script.

Section - 'C'

Answer the following long-answer-type questions with word limit 300-350 :   **(10 × 5=50)**

Q.1   What are the various topologies of networking? Discuss.

OR

What is an internetwork? Explain the purpose of internetworking devices used to connect different LAN segments.

Q.2   With neat architecture, explain TCP in detail.

OR

Write notes on Novell Netware and Arpanet.

Q.3   Explain DTE and DCE.

OR

What is serial and parallel data transission? Why is serial data transmission faster than parallel?

Q.4   Explain in detail Client / Server model.

OR

Write any five basic tags used in HTML.

Q.5   What are applets? Explain how we can add an applet into a webpage.

OR

In how many ways can a CSS be integrated as a web page? Give one example of each.

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