

Roll No.....

Total No. of Sections : 03

Total No. of Printed Pages : 03

**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?

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- 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.

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**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 transmission? 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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