Roll No......................   Total No. of Section   : 03

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Code No. : B-416(A)

Annual Examination - 2017

BCA-II

BCA-204

COMPUTER NETWORKING & INTERNET TECHNOLOGY

Max.Marks : 100

Time : 3 Hrs.   **Min Marks : 40**

Note : Section 'A' is very short answer type, containing 10 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'

Very short answer type questions. Answer in one or two lines.   **(2x10=20)**

Q.1   A protocol used in E-mail is ....

Q.2   A device that is used to convert digital to analog and analog to digital is called ....

Q.3   Full form of ARPANET is ....

Q.4   UTP and STP are types of ....

Q.5   Data flows in both direction not only one at a time in ....

Q.6   In OSI model data security is provided by .... layer.

Q.7   Webpages are created in .... language.

Q.8   A protocol used for downloading or uploading files from remote machine is called.

Q.9   www was given by ....

Q.10   JavaScript was developed by ....

P.T.O.

Section-'B'

Short answer type questions with word limit 150-200

(6x5=30)

Q.1 What is the use of Network? Write the advantages and disadvantages of a Computer Network.

OR

Explain distributed processing.

Q.2 What are the various functions of OSI Layer?

OR

Compare the OSI model and TCP/IP model.

Q.3 What is MODEM? Explain different types of MODEM.

OR

Explain different types of transmission.

Q.4 Explain architecture of Internet.

OR

What is FRAME? How these can be created in webpage?

Q.5 What is JavaScript? Write a program to calculate factorial using for loop.

OR

What is cascading style sheet? Explain their features with example.

Section-'C'

Long answer type questions with word limit 300-350

(10x5=50)

Q.1 Describe the various types of Computer networking with example.

OR

Explain various network topologies with their advantages and disadvantages.

Q.2 Explain the various layers of OSI reference model.

OR

Explain Novell Netware, ARPANET and NSF NFT.

Q.3 Write the difference between them :

i) Serial and parallel data transmission.

ii) Synchronous and Asynchronous communication.

OR

What is DCE and DTE? Write the difference between DCE and DTE.

Q.4 Explain the following :

i)   www   ii)   Concept of web publishing

OR

What is CGI? Explain CGI scripting with example.

Q.5 Define object. How object is created in JavaScript? How will you write function in JavaScript.

OR

Write short note on the following :

i) Structure of JavaScript

ii) Basic commands of JavaScript

iii) Java applet

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