BCA(VI) — 601

2017

Time : 3 hours

Full Marks : 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer five questions in which

Q. No. 1 is compulsory.

1. Indicate the correct answer :

   (i) URL is :

       (a) A computer software program

       (b) A.type of Web server

       (c) The address of a document or page on the World Web

       (d) An acronym for unlimited resource for learning

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(ii) What are three search expression used in search engines ?

   (a) AND, OR, BUT

   (b) FROM, TO, WHOM

   (c) AND, OR, NOT

   (d) SEARCH, KEYWORD, TEXT

(iii) What would you use immediate real time communication with a friend ?

   (a) E-mail

   (b) IRC

   (c) Usenet

   (d) A mailing list

(iv) What kind of data can you send by E-mail ?

   (a) Audio

   (b) Pictures

   (c) Video

   (d) All of these

(v) The internet is owned by :

   (a) The US Government

   (b) A Consortion of telecommunication computer

(c) The IETE

(d) None of these

(vi) Which of the following is a search engine ?

   (a) Macromedia Flash

   (b) Google

   (c) Netscape

   (d) Librarians index to the Internet

(vii) When a user subscribe to a news group ?

   (a) All new posts are E-mailed to the user automatically

   (b) The user must agree with everything said in the news group

   (c) The user is billed anually for the subscription

   (d) The user is barraged with spam

2. What is meant by Data Communication ? Explain any five applications of Data Communication system.

3. What do you mean by the term transmission modes ? What are its types ? Explain network security.

4. (a) What is LAN Technology ? Explain the LAN system.

   (b) What is Topology ? Explain different topologies used in network.

5. What is difference between packet switching and circuting switching ? Give the advantages and disadvantages of circuting switching.

6. What is Internet ? How did it evolve ? Discuss any three services provided by the Internet.

7. Discuss communication hardware. What is mutliplexing and why it is used ? What do you mean by data encoding ?

8 Explain the synchronous and asychronous modes of data transmission.

9. Write short notes on the following :

   (a) Transpotation protocol

   (b) Flow control and error control

   (c) ICMP

   (d) Client / Server

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