CS-75

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Pre-Revised)

Term-End Examination

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June, 2017

CS-75 : INTRANET ADMINISTRATION

Time : 2 hours   *Maximum Marks : 60*

Note : *Question no. 1 is **compulsory**. Answer any **three** questions from the rest.*

1. (a) Explain the need of IP Addresses. Describe the various components of an IP Address. Also, discuss the four classes of IP Addresses with the help of a diagram.   *10*

   (b) What is ARP ? Mention its use with the help of a diagram. Depict the ARP message format and explain each of its fields.   *10*

   (c) Define Firewall. List and describe the types of firewalls based on the roles they play.   *10*

2. (a) What is a proxy server ? Explain its use with context to Intranet implementation. 5

(b) What are digital certificates ? Discuss their importance in Intranet. 5

3. (a) Differentiate between Wireless Datagram Protocol and User Datagram Protocol. 5

(b) List any five benefits of CDMA. 5

4. (a) What are security threats ? Describe any four security threats in an organisation (w.r.t. the Intranet implementation). 5

(b) What is Authentication ? Explain any three types of authentication mechanisms supported by Windows 2000. 5

5. Write short notes on the following : $4 \times 2\frac{1}{2} = 10$

(a) File Transfer Protocol (FTP)

(b) GPRS

(c) Groupware

(d) SET Protocol for e-Commerce