(Please write your Exam Roll No. immediately) Exam Roll No 021142200 8.

END-TERM EXAMINATION

DECEMBER-2006

Exam Series Code: 100333DEC06200358

Paper Code: BCA-107 Subject: Fundamentals of Information Technology

Time : 3 Hours Maximum Marks : 75

Note: Question No. 1 is compulsory and is of 25 marks and attempt one questions each from unit I to unit-IV, question No. 2 to 9 are of 12.5 marks each.

Q1. (a) Discuss their various uses of computers in different field.
(b) What is an algorithm? Discuss the characteristics of good algorithm.
(c) What do you known about database management systems? Discuss it.
(d) What do you know about network topologies. Give the names of various topologies.
(e) State the importance of Network security.

UNIT-I

Q2. (a) Discuss the important features of mini, micro, mainframe and super-computers.
(b) What capabilities does a computer system possess? Discuss it.

Q3. (a) What are different types of memory? Discuss their merits and demerits.
(b) State the necessities of input and output devices.

UNIT-II

Q4. (a) What is meant by a programming language? Explain the difference between high-level and low-level languages.
(b) Explain the difference between compilers and interpreters.

Q5. (a) Explain the salient features on fifth generation computers.
(b) State the importance of Distributed Computer System.

UNIT-III

Q6. (a) What is an Operating System? Discuss its importance.
(b) State the different types of operating system in brief.

Q7. (a) State the advantages of windows environment.
(b) Discuss in brief the different types of database management system.

UNIT-IV

Q8. (a) Discuss in detail the basic elements of a communication system.
(b) Explain the difference between LAN, WAN and MAN.

Q9. (a) What is internet? Discuss its utilities and requirements.
(b) What are search engines? State their importance.

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