

Unit III

6. (a) Write and explain with syntax any five DOS commands. **10**
(b) List different types of operating systems. **5**
7. (a) What are the main parts of a DBMS. Write the responsibilities of DBA. **10**
(b) What are the different users involved in a DBMS ? **5**

Unit IV

8. (a) Internet has become an essential part of our life. Comment. **7**
(b) How guided transmission is different from unguided transmission ? **8**
9. (a) What precautions you will take while shopping from online websites ? **7**
(b) Write advantages of e-mail. Explain all header of an e-mail message. **8**

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A-215

B.C.A. EXAMINATION, Dec. 2018

(First Semester)

(B. Scheme) (Main & Re-appear)

(BCA)

BCA107B

INFORMATION TECHNOLOGY

FUNDAMENTALS

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Q. No. 1 is compulsory. Attempt *four* questions from the remaining units, selecting at least *one* question from each Unit. All questions carry equal marks.

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P.T.O.

1. (a) Define control unit. **10×1½=15**
- (b) What is warm booting ?
- (c) What is Loader ?
- (d) Define system software.
- (e) Define flow chart.
- (f) Define sequential file.
- (g) Write full form of TCP.
- (h) What is need of a switch ?
- (i) Define modern.
- (j) Write full form of TCS.

Unit I

2. (a) What is the use of input devices ? Explain briefly the working of any *three* input devices. **8**
- (b) Discuss the evolution of computer systems from its early days to the current status. Write the characteristics of each generation. **7**

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3. (a) Why binary number system is most suitable for computers. **5**
- (b) Perform the following conversions : **10**
 - (i) $(67.265)_{10} = (?)_2$
 - (ii) $(-8.45674)_{10} = (?)_8$
 - (iii) $(E1C7D)_{16} = (?)_2$
 - (iv) $(34.0461)_2 = (?)_8$
 - (v) $(349)_8 = (?)_{10}$

Unit II

4. (a) Define decision table. Write its uses. **5**
- (b) Write the essential characteristics of algorithm to find roots of a quadratic equation. Consider all cases. **10**
5. (a) What is the difference between primary and secondary memory ? Explain any three primary memory devices. **9**
- (b) How compilation is different from interpretation ? Which one is better ? Comment. **6**

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