

8. Briefly discuss the following :

20

No. of Printed Pages : 04

Roll No.

(a) World Wide Web

(b) Data Transmission Modes.

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B.C.A. EXAMINATION, May 2017

(Second Semester)

(Old Scheme)

(Re-appear Only)

BCA-102

INTRODUCTION TO INFORMATION
TECHNOLOGY

Time : 3 Hours]

[Maximum Marks : 100

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 Sections A, B and C, selecting at least *one* question from each Section. All questions carry equal marks.

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P.T.O.

1. (a) Why most standard keyboards are called 'QUERTY' keyboard ? **2×10=20**
- (b) What is the purpose of 'Shift' key on keyboard ?
- (c) How a desktop computer is different from a laptop computer ?
- (d) What is the use of UPS ?
- (e) What do you mean by System Software ?
- (f) Name any *four* operating systems.
- (g) What do you mean by RDBMS ?
- (h) What do you mean by web browser ?
- (i) What is the use of router ?
- (j) Write full form of ISDN.

Section A

2. Draw and explain the block diagram of a computer system. **20**
3. (a) Why binary number system is most suitable for computers ? **5**
- (b) Write any *five* characteristics of Computer Systems. **15**

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4. Write any *five* characteristics of a good algorithm. Write the algorithm for calculation roots of a quadratic equation. Consider all the cases. **20**

Section B

5. Whaty do you mean by an operating systems ? What are the responsibilities of an O.S. ? Write any *five* features of DOS. **20**
6. (a) Write any *five* advantages of DBMS over traditional file systems. **15**
- (b) Differentiate between random access and sequential access file systems. **5**

Section C

7. (a) Write any *five* advantages offered by computer networks ? **10**
- (b) What do you mean by network topology ? Discuss Bus topology with its merits and demerits. **10**

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P.T.O.