# BCA-01/DCA-101

## June - Examination 2016

# BCA Pt. I / DCA Examination

# Introduction to Computer Science

# Paper - BCA-01/DCA-101

**Time : 3 Hours ]**                                    **[ Max. Marks :- 100**

**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

### Section - A                              $10 \times 2 = 20$

#### (Very Short Answer Questions)

**Note:** Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1) (i) What is the unit of measuring a clock speed?

(ii) Name some examples of operating system.

(iii) What is the use of CLS command in MS-DOS?

(iv) What are the two most common strategies of contiguous allocation?

(v) Explain the need of code.

(vi) What is the full form of LED?

(vii) What do you mean by volatile memory?

(viii) Why security is needed?

(ix)  What is Internet?

(x)  Define the term ISDN.

## Section - B                          $4 \times 10 = 40$

### (Short Answer Questions)

**Note:**  Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

2)  What is Software? Compare Application Software and System Software.

3)  Explain the working principle of Search Engine.

4)  Differentiate between Simplex, Half Duplex and Full Duplex Mode.

5)  Write down the steps to change the Desktop and Screensaver.

6)  Discuss the role of UNICODE in Java.

7)  Discuss the memory management algorithms with example.

8)  Write short note on Magneto-Optical disc storage.

9)  Explain the characteristics and functions of MIS.

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## Section - C $2 \times 20 = 40$

### (Long Answer Questions)

**Note:** Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

10) Define Operating System. Distinguish the features of Disk Operating System and Windows Operating System.

11) Describe the main categories of Printers.

12) What are the advantages of E-commerce? Discuss various security threads to E-Commerce.

13) Write short note on the following:

    (i)   Firewall

    (ii)  LAN, MAN and WAN

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