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## BCA (Part I) Exam

(First Sem)

Paper

(BCA)

I.T. TOOLS AND

Time : Three Hours ]

**Note:** (i) Attempt **five** questions in all.

(ii) All questions carry **equal** marks.

(iii) Question No.1 is **compulsory**.

(iv) Answer the **four** remaining questions.

3. Convert the following as indicated by its base.

i.  $(D6C1)_{16} = (?)_{10}$

ii.  $(.345)_8 = (?)_{10}$

iii.  $(2BA3)_{16} = (?)_2$

iv.  $(0.865)_{10} = (?)_{16}$

v.  $(267)_8 = (?)_{16}$

4. What do you mean by operating system (OS)? It coordinates the use of hardware among the users in detail.

5. What are the internal and external DOS Commands? Give three from internal and three from external using appropriate examples.

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**Note:** Answer any **two** of the following of which **500** words.

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**BCA (Part I) Examination, 2016**

**(First Semester)**

**Paper: I**

**(BCA: 101)**

**I.T. TOOLS AND APPLICATIONS**

Time : Three Hours ]

[ Maximum Marks : 75

**Note:** (i) Answer **five** questions in all.

(ii) All questions carry **equal** marks.

(iii) Question No.1 is **compulsory**.

(iv) Answer the **four** remaining questions selecting two from each **Section A** and **B**.

**1.** Answer the following in maximum **200** words each:

- a) Differentiate between software, data and hardware.
- b) How dumb terminal differ from intelligent terminal?.
- c) In what ways copy command differ from move command in DOS?
- d) What do you mean by webcam?
- e) Define the term "Bit" and also differentiate between Bit, Byte and Nibble.

**Section – A**

**2.** Convert the Octal number 562.46 to the following:

- i. BCD number.
- ii. Decimal number.
- iii. Binary number.
- iv. Hexadecimal number.
- v. 2's compliment.



3. What do you mean by multimedia? What are various components of multimedia? Explain each in detail.
4. Draw the block diagram of Computer System. Explain the function of each component of the Computer System.
5. What is Operating System? Discuss the functions and types of Operating System.

### Section – B

6. (a) In what way Linux differ from Unix Operating system? Discuss the Linux features also.  
(b) Discuss the different versions of Windows.
7. (a) List any **three** input as well as output devices of computer system in detail.  
(b) What is the difference between External and Internal commands in DOS? List and explain with its syntax for **three** internal and **three** external DOS commands.
8. (a) What is word processing? Explain the various features of word processing in detail.  
(b) Describe how logical functions work in worksheet of MS-Excel.
9. Write notes on any **two** of the following:
  - a) Applications of I.T. Communication
  - b) OMR and MICR
  - c) Linux File System

