BCA 101N

B.C.A. (PART-I) (I^st SEMESTER) EXAMINATION, 2024-25

(CBCS MODE)

Paper : I

(BCA 101N : IT Tools and Application)

Time : Three Hours]   [Maximum Marks : 75

Note: (i)   Answer five questions in all.

(ii)   Question No. 1 is compulsory.

(iii)   Answer remaining four questions, selecting two from each Section A and B.

(iv)   All questions carry equal marks.

1.   Answer all parts of the following :

   (a)   Explain Random Access Memory.

   (b)   Name any four Input and Output devices.

   (c)   What is Operating System ?

   (d)   Differentiate between analog and digital Computer.

   (e)   Explain the application of multimedia in education.

Section-A

2. What is computer ? Explain major characteristics of computer and uses of computer with block diagram of computer and explaining each part.

3. What is CPU ? Also explain component of CPU with suitable diagram.

4. Explain Binary, Octal, Decimal and Hexadecimal number and find the value of x in following :

   (i) $(110010)_2 = (x)_{10}$

   (ii) $(4261)_8 = (x)_2$

   (iii) $(230)_{10} = (x)_8$

   (iv) $(24A)_{16} = (x)_8$

5. Explain Internal and External DOS commands and give syntax and uses of following :

   (i) md

   (ii) cd

   (iii) attrib command

   (iv) sort command

Section-B

6.   (a)   List and explain the various components of multimedia.

      (b)   How would you carry out the following in MS Power Point ?

         (i)   To start slideshow

         (ii)   To create a new document.

         (iii)   To change the formatting.

7.   (a)   How can you add automatic page numbering in the header of an MS Word document?

      (b)   Compare compiler, interpreter and assembler.

8.   (a)   What is flowchart in programming ? Explain its various symbols.

      (b)   Differentiate between System software and Application software.

9.   Write notes on any two of the following :

(a)   Printer

(b)   Volatile and Non Volatile Memory

(c)   Animation

(d)   MS DOS

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