BLS-03

April-2007

Information Technology : Basics – (Theory)

Paper – IV - A

Time : 2 Hours]   **[Max. Marks : 50**

સૂચના :   બધા પ્રશ્નો ફરજિયાત છે.

૧. કોમ્પ્યુટરનો ઐતિહાસિક વિકાસ વર્ણવો.   **૧૫**

અથવા

હાર્ડવેર અને સોફ્ટવેર એટલે શું ? પર્સનલ કોમ્પ્યુટરના હાર્ડવેરના નામ આપી દરેકના કાર્યો વર્ણવો.

૨. ગ્રંથાલય યાંત્રિકીકરણ માટે CDS/ISIS ની ઉપયોગિતા જણાવો. CDS/ISIS ના ઉપયોગથી ડેટાબેઝ બનાવવાનાં વિવિધ પગથીયા વર્ણવો.   **૧૫**

અથવા

'File' એટલે શું ? File ના પ્રકારો જણાવી માહિતી સંગ્રહમાં તેનો ફાળો જણાવો.

૩. (અ) નીચેના પૈકી કોઈપણ **બે** વિષે ટૂંકનોંધ લખો :   **૧૦**

         ૧.   LAN

         ૨.   RAM

         ૩.   સિસ્ટમ સોફ્ટવેર

         ૪.   સ્ટોરેજ ડિવાઈસીસ

    (બ) અંગ્રેજી વર્ઝન પ્રમાણે.   **૧૦**

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Instruction : **All** questions are compulsory.

1. Describe historical development of computers. **15**

    OR

    What is hardware and software ? Describe names and functions of the hardware of Personal Computer.

2. Describe usefulness of CDS/ISIS in Library Automation. Describe various steps of preparing Database by using CDS/ISIS. **15**

    OR

    What is "File" ? Explain types of files and its role in storage of information.

3. A Write short note on any **two** from the following : **10**
    1. LAN.
    2. RAM.
    3. System Software.
    4. Storage Devices.

    B Select and write the correct answer from below given multiple choice questions :
    1. In the context of CDS/ISI the full form of the FDT is **10**
        (a) Field Development Table.
        (b) Field Definition Table.
        (c) Field Demolition Table.
        (d) Field Declaration Table.
    2. For the CPU of first generation computers which of the following was used ?
        (a) Transistors.
        (b) Micro Chips.
        (c) Vacuum Tubes.
        (d) Blue Chips.

3. DBMS means
   (a) Data Book Management Software.
   (b) Data Base Management System.
   (c) Databank Management System.
   (d) Data basic Management Software.
4. Dbase is a/an
   (a) System Software.
   (b) Computer Hardware.
   (c) Application Software.
   (d) System Hardware.
5. Logical operators AND, OR and NOT was devised by
   (a) Vannevar Bush.
   (b) George Boole.
   (c) Herman Hollerith.
   (d) Charles Babbage.
6. Which of the following is not computer language ?
   (a) FORTRAN.
   (b) BASIC.
   (c) COBOL.
   (d) ASCII.
7. A set of computer programmes are known as _____
   (a) Hardware.
   (b) Human ware.
   (c) Software.
   (d) Dishware.
8. The brain of a computer that facilitates processing of a data is known
   as _____
   (a) CPU.
   (b) Memory.
   (c) Colour Monitor.
   (d) Peripheral.
9. INFLIBNET is proposed to link up mainly with
   (a) Public Libraries.
   (b) R & D Libraries.
   (c) Academic Libraries.
   (d) Industrial Libraries.
10. An analytical engine according to Babbage's drawing was constructed in
    1854 by
    (a) Microsoft.
    (b) IBM.
    (c) Apple Computer.
    (d) General Electric.

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