SARDAR PATEL UNIVERSITY
B.Sc. (I Semester) (NC) Examination
Thursday, 21ˢᵗ April 2016
2.30 pm - 4.30 pm
US01FICT02 : INFORMATION & COMMUNICATION TECHNOLOGY

Total Marks : 70

Q – 1   Multiple Choice Questions.   [10]

1. A Computer Hardware is _____.
    (a) Physical part of a computer   (b) Logical part of computer
    (c) Set of computer programs   (d) All of above

2. MBR is stands for _____.
    (a) Memory binary register   (b) Memory byte code register
    (c) Memory buffer register   (d) None of these

3. CLS command is used to _____.
    (a) Clear the disk   (b) Clear the screen
    (c) Clean the DVD   (d) None of these

4. _____ is used as standard pointing device in graphical user environment.
    (a) Keyboard   (b) Mouse
    (c) Joystick   (d) Trackball

5. Dot-matrix is a type of _____.
    (a) Tape   (b) Printer
    (c) Disk   (d) Bus

6. Storage devices are used _____.
    (a) To store data   (b) To speed up our pc or laptop
    (c) To use the internet   (d) None of these

7. File is a collection of _____.
    (a) Data   (b) Records
    (c) Filed   (d) None of this

8. Pen drives are considered as _____.
    (a) Input device   (b) Output device
    (c) Storage device   (d) Multimedia device

9. In _____ topology, if a computer's network cable is broken, whole network goes down.
    (a) Bus   (b) Star
    (c) Ring   (d) Mesh

10. _____ is the central device in star topology.
    (a) STP server   (b) Hub/switch
    (c) PDC   (d) Router

(P.T.O.)

Q – 2   Attempt any Ten questions.   [20]
   1.   Differentiate between hardware and Software.
   2.   Write the full form of RAM, ROM, PROM, EPROM
   3.   What is System Software?
   4.   What is Numeric Keypad?
   5.   List out pointing devices and explain any one.
   6.   Write uses of Joysticks.
   7.   List out Backing Storage Device.
   8.   Define the following term : File, Record
   9.   What is Alphanumeric Data Type?
   10. What is network?
   11. What is topology? State types of topology.
   12. Write the full form of LAN and WAN.

Q – 3   Draw a block diagram of basic organization of a computer system and explain the   [10]
          functions of the various units.
                                              OR
Q – 3   What is Operating System? Explain various functions normally performed by an   [10]
          operating system.

Q – 4[A] Explain Key board in Detail.   [05]
   [B]   Write a short note on Laser Printer.   [05]
                                              OR
Q – 4[A] Explain CRT monitors. State the advantages and Disadvantages of it.   [05]
   [B]   State the difference between Video cameras and Digital video cameras.   [05]

Q – 5[A] Write short note on Floppy Disk.   [05]
   [B]   Write short note on Hard Disk.   [05]
                                              OR
Q – 5[A] Describe in brief about compact disk.   [05]
   [B]   Write short note on Memory Stick.   [05]

Q – 6[A] What is computer network? Discuss need for computer network.   [05]
   [B]   Write short note on Modem.   [05]
                                              OR
Q – 6[A] Write a note on transmission technology of LAN.   [05]
   [B]   Write difference between BUS and STAR topology.   [05]

— ✕ —
②