V.P. AND R.P.T.P SCIENCE COLLEGE
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F.Y. B.Sc (SEM - I)
US01FICT02 : Information and Communication Technology

Date: 30/09/2013   Time: 11:00 to 12:00 Noon   Total Marks: 30

Q.1 Multiple Choice Question (6)

1. A computer hardware is
   (A) Physical parts of a computer   (B) Logical parts of a computer
   (C) Set of computer programs   (D) All of above
2. An operating system act as
   a) Bridge or link between user and computer hardware
   b) Connecting device between two people.
   c) Wireless device to connect internet.
   d) All of the above
3. A _____ is a device that converts mechanical energy waves or sound into electrical energy waves.
   (A) Speaker   (B) Microphone   (C) None of above   (D) All of above
4. Which printer is commonly used for desktop publishing?
   (A) Laser printer   (B) Inkjet printer
   (C) Daisy Wheel printer   (D) Dot matrix printer
5. A Boolean datatype is used to represent
   (A) Numeric values   (B) Character values
   (C) Logical values like yes or no   (D) Both a and b
6. File is a collection of
   (A) Data   (B) Records   (C) Field   (D) None of this

Q.2 Answer the Following Questions [Write Any Three] (6)
1. Define the terms: (A) System Software (B) Application programmers
2. What is the function of Control Unit?
3. Define the terms: 1. Barcode Reader   2. Sensor.
4. State the difference between video cameras and digital video camera.
5. What is File and Record?
6. What is Primitive and Non Primitive datatype?

Q.3 [A] What are registers? Name some of the commonly used registers (3)
and briefly describe the function of each.
[B] List out the various functions normally performed by an operating (3)
System.

OR

Q.3 Draw a block diagram of basic organization of a computer system and (6)
explain the function of various units

Q.4 Explain CRT Monitors. State advantages and disadvantages of it. (6)

OR

Q.4 Write a short note on (a) Laser printer   (b) Plotter (6)

Q.5 [A] List the advantages and disadvantages of CD. (3)
[B] Why backup is necessary? Explain. (3)

OR

Q.5 What is datatype. List out different types of datatype. Explain any 3 in (6)
detail with example.