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**1 SEM TDC CAPN (CBCS) DSC 1**

**2 0 2 2**

( Nov/Dec )

**COMPUTER APPLICATION**  
( Discipline Specific Course )

Paper : DSC-1

( **Computer Fundamentals** )

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Choose the correct answer : 1×5=5

- (a) What is the full form of CPU?
- (i) Computer Processing Unit
  - (ii) Computer Principle Unit
  - (iii) Central Processing Unit
  - (iv) Control Processing Unit

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(b) Which of the following is not an output device?

(i) Printer

(ii) Plotter

(iii) Monitor

(iv) Mouse

(c) RAM is used as a short memory because it

(i) is volatile

(ii) has small capacity

(iii) is very expensive

(iv) is programmable

(d) Mobile computing allows transmission of data from one wireless enabled device to another

(i) device

(ii) wired device

(iii) wireless enabled device

(iv) None of the above

(e) What is another name for a dot matrix printer?

(i) Non-impact printer

(ii) Page printer

(iii) Spray printer

(iv) Character printer

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2. Answer the following questions :  $2 \times 5 = 10$

(a) Differentiate between system software and application software.

(b) Give two examples for each primary memory and secondary memory.

(c) What is Bluetooth? Why is it so useful?

(d) What is OMR device?

(e) Write the full forms of SMPS and BIOS.

3. (a) Discuss the basic functions performed by a computer system. 5

(b) What is operating system? Write various functions performed by an operating system.  $1 + 5 = 6$

4. (a) What is computer port? Write various ports used in computer.  $2 + 3 = 5$

(b) What is data mining? What are different tasks of data mining?  $2 + 3 = 5$

(c) What is the purpose of e-library? 2

5. (a) Convert the binary number  $110101.101_{(2)}$  to its equivalent decimal number. 2

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(b) Convert the following numbers to their binary equivalents :  $2+2=4$

(i)  $562_{(8)}$

(ii)  $2AB_{(16)}$

(c) Write short notes on (any three) :  $3 \times 3 = 9$

(i) Web camera

(ii) Motherboard

(iii) Registers

(iv) Cloud computing

★ ★ ★