

Total No. of Printed Pages—3

**1 SEM TDC GECS (CBCS) GE 1**

**2 0 2 2**

( Nov/Dec )

**COMPUTER SCIENCE**

( Generic Elective )

Paper : GE-1

**( Computer Fundamentals )**

Full Marks : 53

Pass Marks : 21

Time : 3 hours

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

1. Answer the following : 1×5=5

- (a) What is the use of plotter?
- (b) What is volatile memory?
- (c) Give two examples of computer hardware.
- (d) What is primary memory?
- (e) What is the base of octal number system?

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2. Answer the following (any *five*) :  $2 \times 5 = 10$
- (a) Convert the decimal equivalent of 27.145 into binary number.
  - (b) Convert the binary equivalent 10110110 into decimal number.
  - (c) What is the use of ribbon cables?
  - (d) State the difference between static RAM and dynamic RAM.
  - (e) State two advantages of cloud computing.
  - (f) Mention two uses of computer.

3. Answer the following (any *two*) :  $4 \times 2 = 8$
- (a) Define operating system. State the difference between Windows and Linux.
  - (b) Explain the memory hierarchy with suitable diagram.
  - (c) Explain briefly about MICR and OCR.

4. Answer the following (any *three*) :  $10 \times 3 = 30$
- (a) Explain the various types of printers with their properties.
  - (b) Explain briefly about the different components of computer.

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- (c) Define embedded system. State the advantages and disadvantages of embedded system.
- (d) Explain the main components of a CPU.

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