

(59 & A-19)
(Eng)

SEAT No. _____

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Sardar Patel University

B.Sc. Ist Semester, External Examination (CBCS)
US01FICT02: Information and Communication Technology
14th November, Tuesday - 2017

Time: 02:00 PM to 04:00 PM

Total Marks: 70

Q.1 Select an appropriate option.

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1. RAM is a _____.
(a) Volatile Memory (b) Non-volatile Memory
(c) Virtual Memory (d) Fast Memory
2. All the data and procedures are stored in _____.
(a) Memory unit of CPU (b) Control unit of CPU
(c) Process unit of CPU (d) Arithmetic and logic unit of CPU
3. _____ also known as auxiliary storage.
(a) Primary Storage (b) Secondary Storage
(c) Virtual Storage (d) Fast Storage
4. 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
5. Dot-matrix is a type of _____.
(a) Tape (b) Printer (c) Disk (d) Bus
6. Digital Camera is also known as _____.
(a) Digital Picker (b) Digital Scanner
(c) Digicam (d) None of above
7. Need for back-up is for _____.
(a) Data recovery (b) Data process
(c) Data Analysis (d) None of this
8. Date data type is used to represent _____.
(a) Time (b) Date (c) Date and time (d) None of these
9. A _____ is a set of devices connected by media links.
(a) Network (b) Analog (c) Digital (d) None
10. A _____ contains a repeater, which is hardware device that regenerates the Signals.
(a) Host (b) Active Hub (c) Tree (d) Terminal

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Q.2 Answer in short. (Attempt any TEN)

1. Write down the Software Development steps.
2. What is Cache Memory?
3. Difference between Hardware and Software.
4. Explain Joystick in brief.

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(P.T.O.)

5. List out the Input devices.
6. What is Numeric Keypad?
7. Give at least three names of electronic devices where 'Flash memory card' is used.
8. What is File & Record?
9. List the advantages of DVD.
10. List categories of Networks.
11. Explain the needs of Computer Networks.
12. What is Wide Area Network?

- Q.3 (a) Explain the basic operations of computer system. 5
- (b) What is Operating System? List and explain functions of an Operating System. 5

OR

- Q.3 (a) Draw a block diagram of computer system and explain the functions of the various units. 5
- (b) Explain the function of following Windows XP command. 5
- (i) MKDIR (ii) XCOPY (iii) PATH (iv) CLS

- Q.4 (a) Explain types of Printers with its advantages and disadvantages. 5
- (b) Write notes on LCD projector. 5

OR

- Q.4 (a) Write a short note on (i) Scanners (ii) Video camera. 5
- (b) Explain Key board in Detail. 5
- Q.5 (a) Write a note on Hard Disk. 5
- (b) What is Data Type? Explain in detail. 5

OR

- Q.5 (a) Write short note on Floppy Disk. 5
- (b) What is Backup? Explain in detail why backup is necessary. 5

- Q.6 Do as directed. 10
- (i) Write a note on MODEM.
- (ii) Advantages and disadvantages of Computer Networks.

OR

- Q.6 What is Topology? Explain any three topologies with their advantages and disadvantages. 10

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