

[67]

**SARDAR PATEL UNIVERSITY**  
**M.Sc.IT Examination, 1<sup>st</sup> Semester**  
**Saturday, 1<sup>st</sup> December, 2012.**

**Morning Time: 10:30 A.M to 01:30 P.M**

**Subject Code: PS01CIIT01/ Paper No: 01**

**Subject: Introduction to Information Technology**

**Total Weight age/Marks: 70**

**Q.1 Multiple Choice Questions.**

**10**

1. Data is collection of
  - A. Facts and entities relevant to user
  - B. A set of numbers and alphabet
  - C. Raw material
  - D. Input material for a computer
2. \_\_\_\_\_ are the devices which convert analog signals into digital.
  - A. Router
  - B. Modem
  - C. Bridge
  - D. Gateway
3. A user could run a program larger than main memory by which of the following techniques?
  - A. Multi-programming
  - B. Overlays
  - C. Time sharing
  - D. Multi-processing.
4. A society where we don't need money in our pockets, the so-called
  - A. Paperless society
  - B. Priceless society
  - C. Cashless society
  - D. None of the above
5. \_\_\_\_\_ Shares characteristics with both hardware and software.
  - A. Operating System
  - B. Software
  - C. Data
  - D. None of the Above
6. TPS is the short form of
  - A. Transparent Process System
  - B. Transaction Processing System
  - C. Transaction Preparing System
  - D. Transfer Processing System
7. An antivirus application is an example of
  - A. System Software
  - B. Application Software
  - C. Utility Software
  - D. All of the Above
8. CBT is the short form of
  - A. Computer Based Techniques
  - B. Computer Based Training
  - C. Carrier Based Training
  - D. None of the Above
9. Determined which of the following statements are true:
  - A. DOS is software
  - B. A directory can contain files, but not other directories.
  - C. Only text can be stored in file
  - D. Direct operating system is the full form of DOS.
10. Portable computers that fit into a briefcase are called as \_\_\_\_\_
  - A. Desktop
  - B. Super computer
  - C. Laptop
  - D. Mainframe computer

**P.T.O**

<b>Q.2</b>	<b>Answer the following questions in short. (Any 10)</b>	<b>20</b>
	<ol style="list-style-type: none"> <li>1) Define data and information with example.</li> <li>2) Distinguish between analog and digital computer</li> <li>3) Write the definition of Operating System.</li> <li>4) Describe the difference in information use at each management level in brief.</li> <li>5) Define Assembler in brief.</li> <li>6) What are the different types of microcomputer?</li> <li>7) List the requirement of software on Pay-roll preparation.</li> <li>8) Write the full form of the following.           <ol style="list-style-type: none"> <li>1. DSS</li> <li>2. MIS</li> <li>3. TPS</li> <li>4. OAS</li> </ol> </li> <li>9) Explain Half-duplex mode and Full-duplex mode in brief.</li> <li>10) Define translator in brief.</li> <li>11) Briefly explain EPF.</li> <li>12) List the elements of a health care network.</li> </ol>	
<b>Q.3(A)</b>	<b>Explain the difference between data and Information and Explain levels of information in detail</b>	<b>10</b>
	<b>OR</b>	
<b>Q.3(A)</b>	<b>List and explain features and categories of information in detail.</b>	<b>10</b>
<b>Q.4(A)</b>	<b>Write a short note on MODEM.</b>	<b>06</b>
<b>(B)</b>	<b>List and explain limitations of computer.</b>	<b>04</b>
	<b>OR</b>	
<b>Q.4(A)</b>	<b>Explain capabilities of computer in detail.</b>	<b>06</b>
<b>(B)</b>	<b>Write a short note on computer classification.</b>	<b>04</b>
<b>Q.5(A)</b>	<b>Write a short note on DOS commands with example.</b>	<b>06</b>
<b>(B)</b>	<b>Explain functions of operating system.</b>	<b>04</b>
	<b>OR</b>	
<b>Q.5(A)</b>	<b>Write a short note on compiler, interpreter and translator.</b>	<b>06</b>
<b>(B)</b>	<b>Write a short note on software and its types.</b>	<b>04</b>
<b>Q.6(A)</b>	<b>Write a short note on CBT.</b>	<b>05</b>
<b>(B)</b>	<b>Write a short note on Health Care Applications.</b>	<b>05</b>
	<b>OR</b>	
<b>Q.6(A)</b>	<b>Write a short note on Payroll System</b>	<b>05</b>
<b>(B)</b>	<b>Write a short note on Use of computer in entertainment.</b>	<b>05</b>

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