

**Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj**  
**Master of Science (Computer Applications & Information Technology)**  
**Semester: I**

<b>Paper Code: CCCS102</b>		<b>Total Credit : 4</b>
<b>Title of Paper: Fundamental of Computers and Data Processing</b>		<b>Total Marks : 70</b>
		<b>Time : 3 Hrs</b>
<b>Unit</b>	<b>Description</b>	<b>Weighting</b>
<b>I</b>	<b>Information concept and processing:</b> Introduction, Data and Information, Features of Information, Categories of Information, Levels of Information. <b>Concepts of Data:</b> Organization of Data as a file, Types of File, Classification of data files by functions, File Organization.	<b>20%</b>
<b>II</b>	<b>Elements of Electronic Data Processing (EDP):</b> Introduction to computerized business data processing, Benefits of EDP, Overview of Commercial Application. <b>Number systems:</b> Binary, Octal, Decimal, Hexadecimal, Conversion of Number System ASCII, BCD	<b>20%</b>
<b>III</b>	<b>Elements of Computer Systems:</b> Introduction, Computer Classification, Capabilities and Limitations, Computer Generation <b>Input Units:</b> Functions of Input Units, Types of Input Devices.	<b>20%</b>
<b>IV</b>	<b>Output Units:</b> Types of Output Devices, Types of Printer, Types of VDU, Types of Plotters. <b>Memory:</b> Introduction, Classification of Memory, Primary Memory, Types of RAM and ROM, Characteristics of Memory.	<b>20%</b>
<b>V</b>	<b>Data Storage Devices:</b> Secondary storage devices, magnetic media, types of disks, storage principles, magnetic tape, hard disk and floppy disk, optical media, CD-ROM, CD, DVD. Merits, demerits and application of storage devices.	<b>20%</b>
<b>Basic Text &amp; Reference Books :-</b>		
<b>1.</b>	Computer Fundamentals 4/e, Pradeep Sinha, BPB Publications	

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I	Q.1 (A) Answer the Following. (Definitions, Blanks, Full Forms, True/False, Match the Following)	06	14
	Q.1 (B) Medium / Long Questions. (With Internal Option)	08	
II	Q.2 (A) Answer the Following. (Definitions, Blanks, Full Forms, True/False, Match the Following)	06	14
	Q.2 (B) Medium / Long Questions. (With Internal Option)	08	
III	Q.3 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.3 (B) Medium / Long Questions. (With Internal Option)	08	
IV	Q.4 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.4 (B) Medium / Long Questions. (With Internal Option)	08	
V	Q.5 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.5 (B) Medium / Long Questions. (With Internal Option)	08	