**SARDAR VALLABHBHAI PATEL INSTITUTE OF TECHNOLOGY, VASAD**

**B.E.1st YEAR 2nd SEM**

**Subject Name: Computer Programming & Utilization**

**Subject Code: 2110003**

**SYLLABUS for Mid-Sem Examination**

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| **Sr No** | **Topic** |
| 1 | **Introduction to computer and programming:**  Introduction ,Basic block diagram and functions of various components of computer, Concepts of Hardware and software, Types of softwares, Compiler and interpreter, Concepts of Machine level, Assembly level and high level programming ,Flow charts and Algorithms. |
| 2 | **Fundamentals of ‗C**:  Features of C language, structure of C Program, comments, header files, data types, constants and variables, operators, expressions, evaluation of expressions, type conversion, precedence and associativity, I/O functions. |
| 3 | **Control structure in ‗c:**  Simple statements, Decision making statements, Looping statements, Nesting of control structures, break and continue, goto statement. |
| 4 | **Array :**  Concepts of array , one and two dimensional arrays, declaration and initialization of arrays. |
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