

**Government Degree College , R.S.Pura**

**COURSE OUTCOMES : COMPUTER APPLICATIONS**

**First Semester, ( CORE COURSE)**

**Title of Paper:** COMPUTER FUNDAMENTALS AND IT TOOLS

**Course Code:** UCATC-101

Number of Units: 5

Course Content

- Unit-I: Computer hardware and its peripheral devices
- Unit-II: Software and its types
- Unit-III: Number System
- Unit-IV: Introduction to Operating System
- UNIT-V: Introduction to Network Topologies

- This unit aims at making the students acquainted with the computer hardware and the working of the peripheral devices.
- The unit is designed to familiarize the students with different types of software and also malware.
- It enables the learners to develop an understanding about different number systems and their mutual conversions.
- This unit enables the learners to get an introduction to the basics of operating system and GUI of Windows Operating System.
- This unit enables the learners to get an introduction to various network topologies.

**Second Semester, ( CORE COURSE)**

**Title of Paper:** PROBLEM SOLVING USING C-LANGUAGE

**Course Code:** UCATC-201

Number of Units: 5

Course Content

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| <ul style="list-style-type: none"> <li>• Unit-1: Introduction to programming and C language</li> <li>• Unit-II C Data-types.</li> <li>• Unit-III Conditional statements</li> <li>• Unit-IV Qualifiers and storage classes</li> <li>• Unit-V Pre-processor Directives</li> </ul>   | <ul style="list-style-type: none"> <li>• This course is designed to introduce the learner to programming concepts like algorithm, flowcharts etc. And also to introduce the learner to C language.</li> <li>• It educates the learners about the data types in C language.</li> <li>• It equips the learners with knowledge to implement various conditional statements like if__else, switch etc.</li> <li>• It enables the learners learn about storage classes and arrays in C language.</li> <li>• It enables the learner to gain knowledge about pre-processor directives, function calls, passing values between functions.</li> </ul> |
| <p><b>Third Semester, ( CORE COURSE)</b></p> <p><b>Title of Paper:</b> Object Oriented Programming Using C++</p> <p><b>Course Code:</b> UCATC-302</p> <p>Number of Units: 5</p> <p>Course Content</p>   |  |
| <ul style="list-style-type: none"> <li>• Unit-I: Programming Paradigms and Introduction to OOPs</li> <li>• Unit-II: Conditional Statements, Loops, Structured Data types, Functions</li> <li>• Unit-III: Implementation of OOPS concepts in C++</li> <li>• Unit-IV: Constructors, Destructors and String Handling</li> <li>• Unit-V- Pointers, Inheritance, Exception Handling</li> </ul> | <ul style="list-style-type: none"> <li>• It gives an introduction to various programming paradigms and a deeper insight into the OOPs concepts.</li> <li>• The Unit is designed to introduce various programming concepts like Conditional Statements, Loops, Structured Data Types, and Functions to the learners.</li> <li>• This course discusses the Implementation of OOPS concepts in C++ like Class types, Visibility modes, Objects etc.</li> <li>• This unit discusses the concepts of Pointers, Inheritance and its types, and Exception Handling.</li> </ul>  |

**Fifth Semester, ( CORE COURSE)**

**Title of Paper:** International Politics (Discipline Specific Elective Course)

**Course Code:** UCATE- 501

Number of Units: 5

Course Content

- Unit-1: Basics of Operating System
- Unit-II: Process Management and Process scheduling
- Unit-III: Deadlocks, Paging, Segmentation
- Unit-IV: File System Management
- Unit-V: UNIX/LINUX Environment

- This unit gives an introduction to the operating system concepts.
- This unit gives an introduction to process management and scheduling concepts.
- This course enables the learners to know about various memory management techniques.
- This Unit has been designed to acquaint the learner with different file management concepts.
- This Unit has been designed to familiarize the user with the UNIX/LINUX environment, GUI and Command Line Interface.