



RAO PAHLAD SINGH DEGREE COLLEGE

(Approved by DGHE / Govt. of Haryana & Affiliated to Indira Gandhi University, Meerpur)

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DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Basic Computer Education

Class: B.A. 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of computer system like applications and components of computer system.
2. Basic knowledge of windows operating system and components of windows.
3. Working on Microsoft Word like formatting and editing.
4. Basic knowledge about Internet, creating an E-mail and how to use it.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Work on Microsoft Word like formatting and editing on document.
2. Send and manage E-mails.
3. Install and remove any software from control panel.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Programming in C (lab)

Class: B.A. 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of algorithm and flowchart.
2. Format of Decision controls, loops and the use of structures in programming.
3. Define structures of array and pointers and use of array and pointers in programming.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Create algorithm and flowchart.
2. Programming using Decision control structure.
3. Apply arrays and pointers in programming.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Programming in visual basic

Class: B.A. 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of visual basic like basic controls and properties, decision & loops, control array, arrays.
2. Basic uses of text boxes, command buttons, additional controls like list box, option buttons, frames.
3. Basic knowledge of debugging windows and database programming.
4. Basic knowledge about library functions.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Design a form in visual basic by applying textboxes, buttons and different controls.
2. Design/create a database according to that form.
3. Make a connection between application form and database.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Data Structures using

Class: B.Sc. Hons. Math 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of data structures.
2. Understand structures of linear and non linear structures .
3. Define graphs and B-Tree.
4. Different techniques of searching and sorting.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Define different types of structures and apply operations on them.
2. Understand the working of Multidimensional array and trees.
3. Working of sorting and searching techniques on different data structures.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Programming in C and Numerical Methods

Class: B.Sc. Hons. Maths 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of algorithm and flowchart.
2. Format of Decision controls, loops and the use of structures in programming.
3. Define structures of array and pointers and use of array and pointers in programming.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Create algorithm and flowchart.
2. Programming using Decision control structure.
3. Apply arrays and pointers in programming.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Digital Micro Processor and Computer Lab- II

Class: B.Sc. Hons. Physics 4th Sem.

Learning Objective

This course enables the students to:

1. Use of microprocessor kit.
2. Understand the elements of assembly language.
3. Working of FORTRAN programming.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Define the microprocessor kit.
2. Handling 16-bit numbers and use of call and return interdictor.
3. Perform programming in low level language using microprocessor kit.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Computer Fundamental and Programming –II

Class: B.Sc. Hons. Physics 4th Sem.

Learning Objective

This course enables the students to:

1. Understand truncation and round-off errors.
2. Basic knowledge about floating point computation.
3. Basic knowledge about single and double precision arithmetic and iterative process.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Differentiate between truncation and round off errors.
2. Define iterative process and working of iterative process.
3. Define single and double precision arithmetic.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Basic Computer Education

Class: B.Sc. Med. 2nd Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of computer system like applications and components of computer system.
2. Basic knowledge of windows operating system and components of windows.
3. Working on Microsoft Word like formatting and editing.
4. Basic knowledge about Internet, creating an E-mail and how to use it.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Work on Microsoft Word like formatting and editing on document.
2. Send and manage E-mails.
3. Install and remove any software from control panel.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Basic Computer Education

Class: B.Sc. Non-Med. & Hons. Physics 2nd Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of computer system like applications and components of computer system.
2. Basic knowledge of windows operating system and components of windows.
3. Working on Microsoft Word like formatting and editing.
4. Basic knowledge about Internet, creating an E-mail and how to use it.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Work on Microsoft Word like formatting and editing on document.
2. Send and manage E-mails.
3. Install and remove any software from control panel.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Basic Computer Education

Class: B.Sc. Med, Non-Med. & Hons. Physics 2nd Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of computer system like applications and components of computer system.
2. Basic knowledge of windows operating system and components of windows.
3. Working on Microsoft Word like formatting and editing.
4. Basic knowledge about Internet, creating an E-mail and how to use it.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Work on Microsoft Word like formatting and editing on document.
2. Send and manage E-mails.
3. Install and remove any software from control panel.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Programming in visual basic Class: B.Sc. Hons. Maths 2nd Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of visual basic like basic controls and properties, decision & loops, control array, arrays.
2. Basic uses of text boxes, command buttons, additional controls like list box, option buttons, frames.
3. Basic knowledge of debugging windows and database programming.
4. Basic knowledge about library functions.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Design a form in visual basic by applying textboxes, buttons and different controls.
2. Design/create a database according to that form.
3. Make a connection between application form and database.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Computer Fundamental and Programming –II

Class: B.Sc. Hons. Physics 4th Sem.

Learning Objective

This course enables the students to:

1. Understand truncation and round-off errors.
2. Basic knowledge about floating point computation.
3. Basic knowledge about single and double precision arithmetic and iterative process.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Differentiate between truncation and round off errors.
2. Define iterative process and working of iterative process.
3. Define single and double precision arithmetic.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Digital Micro Processor and Computer Lab- II

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Learning Objective

This course enables the students to:

1. Use of microprocessor kit.
2. Understand the elements of assembly language.
3. Working of FORTRAN programming.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Define the microprocessor kit.
2. Handling 16-bit numbers and use of call and return interdictor.
3. Perform programming in low level language using microprocessor kit.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Programming in C and Numerical Methods

Class: B.Sc. Hons. Maths 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of algorithm and flowchart.
2. Format of Decision controls, loops and the use of structures in programming.
3. Define structures of array and pointers and use of array and pointers in programming.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Create algorithm and flowchart.
2. Programming using Decision control structure.
3. Apply arrays and pointers in programming.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Basic Computer Education

Class: B.A. 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of computer system like applications and components of computer system.
2. Basic knowledge of computers
 - What is a Computer?
 - Component of Computer
 - Input Devices and Output Devices
 - Concept of Memory
 - Hardware & Software
3. Create a document in word with formatting, Applying animation text & word wrap.
4. Create E-Mail account, Sending & Viewing E-Mail\Basic Knowledge of window & operating system.
5. Basic knowledge of windows operating system and components of windows.
6. Working on Microsoft Word like formatting and editing.
7. Basic knowledge about Internet, creating an E-mail and how to use it.

Learning Outcomes

Upon successful completion of this course a student will be able to:

1. Work on Microsoft Word like formatting and editing on document.
2. Send and manage E-mails.
3. Install and remove any software from control panel.
4. Recognize when to use word processing to create documents
5. Understand concept of E-mail by which they can send & View E-Mail to any professional and/or Industry
6. Apply skills and concept for basic use of Computer Hardware, Software, Networks & the Internet in the workplace.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Programming in C (lab)

Class: B.Sc. 4th Sem.

Learning Objective

This course enables the students to:

1. Basic knowledge of algorithm and flowchart.
2. Format of Decision controls, loops and the use of structures in programming.
3. Define structures of array and pointers and use of array and pointers in programming.

Learning Outcomes

Upon successful completion of this course a student will be able to:

4. Create algorithm and flowchart.
5. Programming using Decision control structure.
6. Apply arrays and pointers in programming.

DEPARTMENT OF COMPUTER SCIENCE

Course Objective & Outcomes

Subject: Data Structures using C

Class: B.Sc. Hons. Maths 4th Sem.

Learning Objective

This course enables the students to:

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