CORE PRACTICAL: COMPUTER PRACTICAL IN C LANGUAGE

Semester	Subject Code	Category	Lecture		Theory	Practical		Credits
			Hrs/week	Hrs/Sem		Hrs/week	Hrs/Sem	
VI	21CMA61	Core Practical	3	45	0	3	45	2

COURSE OBJECTIVES:

The students will be able to

- Develop strong logical thinking, to write error-free syntax codes, to master the debugging

techniques and to present the results in neat form in C Language for numerical methods.

- Solve problem numerically using C language

SYLLABUS

1. Assigning the ASCII value.
2. Square of numbers: Using for loop, while loop.
3. Square of numbers: do-while loop, goto statement
4. Characters between two given characters.
5. Number of vowels and consonants.
6. Three- dimensional matrix.
7. Addition of Matrices.
8. Multiplication of Matrices.
9. Prime number between two given numbers.
10. Fibonacci series
11. Factorial numbers
12. Power of a value.
13. Interchange sort.
14. Arithmetic Mean for raw data
15. Standard deviation for raw data
16. Student record.

DISTRIBUTION OF MARKS: PROBLEMS 100%

TEXT BOOKS

S.NO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1.	Mullish Cooper	The spirit of C	Jaico Publishers	1998
2.	Herbert Schildt	Teach yourself C	McGraw-Hill Education	1997

REFERENCE BOOKS

S.NO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1.	YashavantKanetkar	Let us C	BPB Publications	2016
2.	Byron Gottfried	Programming with C, Schaum's Outlines	McGraw-Hill Education	2006
3.	Ashok N. Kamthane, Amit Ashok Kamthane	Programming in C	Pearson Education India	2015

WEB RESOURCES

1. *https://www.javatpoint.com/c-programming-language-tutorial*
2. *https://www.guru99.com/c-programming-tutorial.html*

TEACHING METHODOLOGY

1. Class room Teaching

2. Practical class in Computer Laboratory

3. PPT Presentations

SYLLABUS DESIGNER

Mrs. G. VinuPriya, Head and Assistant Professor of Mathematics

CORE PRACTICAL: COMPUTER PRACTICAL IN C LANGUAGE
SCHEME OF VALUATION FOR PRACTICAL EXAMINATIONS

Internal assessment: 40 Marks

External assessment: 60 marks

Total: 100 marks

External assessment: 60 marks

Record   : 10 Marks

Practical : 45 Marks

Viva   :   5 Marks