SANATAN DHARMA COLLEGE, AMBALA CANTT

College with Potential for Excellence, UGC,New Delhi
NAAC Accredited Grade "A+" with CGPA 3.51 in 3rd cycle
ISO 9001:2015 & ISO 14001:2015 Certified

Department of Computer Science

Lesson Plan (Session 2022-2023)

Class: B.Com (CAV) **Sem: II**

Course Code: BC (Voc)-205

Nomenclature: Programming In C

Duration: 13 Weeks **Dates: (01.02.2023- 30.04.2023)**

Syllabus

BC(Voc)-205
PROGRAMMING IN C

Max. Marks: 80
Internal Marks: 20
Time: 3 Hours

Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.

Programming in C: character set, identifiers and keywords, constants and variables, data types, expressions and statements.

Arithmetic, logical, relational and bitwise operators and their hierarchy, Assignment and conditional operators.

Input/output statements, control statements-if-else, switch break, continue and loops.

Arrays, functions, pointer, structure and unions, data files, developing simple programmes.

Practical: The candidates should be able to develop elementary programmes in C Language

REFERENCES

- Gotterfried, Programeming in C, Schaum Outline Series (TMH).
- Yashwant Kanetker, Let Us C (BPB).

Course Outcomes

After the completion of this course, prospective Computer professionals will have the ability to

Course Title	Semester-I Course: BC (Voc) -205 PROGRAMMING IN C At the end of course student should be able to:
CO No.	Explain Structure of a C Program.
1.	Explain tokens in C
2.	Explain Data types, Constants and Variables,
3.	Design algorithms for simple problems
4	Design Simple Programs using formatted and unformatted input output functions
5.	Write C program for simple applications
6	Differentiate various types of operators
7	Design Programs using arithmetic, logical and bitwise operators
8	Design applications using control statements
9	Design programs using functions, functions with & without parameters
10	Apply recursion to solve problems
11	Explain use and working of storage classes in c
12	Design applications using single dimensional and two-dimensional arrays
13	Design programs using strings.

S.No	Instructional Technique	Assessment Methods(AM)
1	Chalk & Talk	**Assignments**
2	ICT tools	**Quiz**
3	Group discussions	**Group Discussions**
4	Industrial visit	**Oral Tests**
5	Case studies	**Sessional**
6	Small Projects	**Presentations**
7	Workshop	**Seminar**
8	Spoken Tutorials	**University Exams**
9	Flipped Class	
10.	**E-Resources**	

Detailed Lesson Plan

Week	Date	Topic to be Covered	Instructional Technique	Assessment Method
1	01.02.2023	Introduction of C Language	----	----
2	06.02.2023	Introduction of C Language	2-(PPT/Projector)	----
	07.02.2023	Character set	2(PPT/Projector)	1
	08.02.2023	Identifiers and keywords	6	1,2,3,4
3	13.02.2023	Keywords Cont…..	2-(PPT/Projector)	1,2,3,4
	14.02.2023	Constants and Variables	2-(PPT/Projector)	1,2,3,4
	15.02.2023	Data types	6	1,2,3,4
4	20.02.2023	Data types Cont.…	2-(PPT/Projector)	1,2,3,4
	21.02.2023	Data types Cont.…	2-(PPT/Projector)	1,2,3,4
	22.02.2023	Revision	----	----
5	27.02.2023	Expressions and statements	9,10	1,2,3,4
	28.02.2023	Statements Cont.…	9,10	1,2,3,4
	01.03.2023	Introduction to Operators	9,10	1,2,3,4
6	06.03.2023	**Holi Vacations**		
	07.03.2023			
	08.03.2023			
	09.03.2023			
	10.03.2023			
	11.03.2023			
	12.03.2023			
7	13.03.2023	Arithmetic Operators	2-(PPT/Projector)	1,2,3,4
	14.03.2023	Logical, relational Operators, Bitwise operators	2-(PPT/Projector)	1,2,3,4
	15.03.2023	Assignment and conditional operators	6	1,2,3,4
8	20.03.2023	Associativity & hierarchy of operators, Input/output statements	9,10	1,2,3,4
	21.03.2023	Control statements-if-else	9,10	1,2,3,4
	22.03.2023	switch break, continue	2-(PPT/Projector)	1,2,3,4
9	27.03.2023	Loops	2-(PPT/Projector)	1,2,3,4
	28.03.2023	Sessional	2-(PPT/Projector)	1,2,3,4
	29.03.2023	Arrays	2-(PPT/Projector)	1,2,3,4
10	03.04.2023	Arrays Cont…	9,10	1,2,3,4

	04.04.2023	HOLIDAY	----	----
	05.04.2023	Functions	2-(PPT/Projector)	1,2,3,4
11	10.04.2023	Functions Cont…..	2-(PPT/Projector)	1,2,3,4
	11.04.2023	Pointer	6	1,2,3,4
	12.04.2023	Pointer Cont….	6	1,2,3,4
12	17.04.2023	Structure and unions	2-(PPT/Projector)	1,2,3,4
	18.04.2023	Structure and unions Cont…..	2-(PPT/Projector)	1,2,3,4
	19.04.2023	Revision	----	----
13	24.04.2023	Data files	6	1,2,3,4
	25.04.2023	Data files Cont…..	6	1,2,3,4
	26.04.2023	Revision	----	----