

Lesson Plan

Name of the Assistant Professor- Manisha Saini

Subject- Computer Science

Lesson Plan- 16th July- 19th Nov 2019

Week	BCA (1st Sem) Programming in C	BCAV (3rd Sem) Data Structures
Week 1 : [16-July-19 to 20-July-19]	Introduction to Subject and its objectives Overview and history of C, Importance of C, Revision and Discussion	Introduction to Subject and its objectives Data Structure, linear and least structures, Revision and Discussion
Week 2: [22-July-19 to 27-July-19]	Structure of a C Program, Elements of C: C character set, identifiers and keywords Problems, Revision and Discussion	Array definition, types, address calculation Problems, Revision and Discussion
Week 3: [29-July-19 to 03-Aug-19]	Instruction Cycle Data types, constants and variables, Assignment statement , symbolic constants , Problems, Revision and Discussion	Stack, push/pop algorithm Problems, Revision and Discussion
Week 4: [5-Aug-19 to 10-Aug-19]	Input/Output: Unformatted & formatted I/O function in C , Input functions(scanf(), getch(), getche(), gets(), getchar()) Problems, Revision and Discussion	Applications of stack Problems, Revision and Discussion
Week 5: [13-Aug-19 to 17-Aug-19]	Output Functions (printf(), putchar(), puts()); Operators Problems, Revision and Discussion	Queue: Insertion/Deletion algorithm Problems, Revision and Discussion
Week 6: [19-Aug-19 to 23-Aug-19]	Operators & Expression: arithmetic, relational, logical, bitwise, unary assignment Operators Problems, Revision and Discussion Assignment	Double and circular queue Problems, Revision and Discussion Assignment
Week 7: [26-Aug-19 To 31-Aug-19]	Conditional Operators and special operators , arithmetic expression, Evaluation of arithmetic expression, type casting and conversion Problems, Revision and Discussion	List: Single linked list, algorithm Revision and Discussion
Week 8: [2-Sep-19 To 7-Sep-19]	Operator Hierarchy and associativity, Decision making & Branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement , ELSE- IF ladder, switch	Single linked list algorithm, Problems, Revision and Discussion

	statement Problems, Revision and Discussion	
Week 9: [9-Sep-19 To 14-Sep-19]	goto statement , Decision making & looping: for, while and do- while loop Problems, Revision and Discussion	Double linked list concept Problems, Revision and Discussion
Week 10: [16-Sep-19 To 21-Sep-19]	Jumps in loops, break, continue statement, Functions: Definition, prototype Problems, Revision and Discussion	Double linked list; Problems, Revision and Discussion
Week 11: [24-Sep-19 To 28-Sep-19]	Passing parameters Problems, Revision and Discussion	Circular linked list, Revision and Discussion
Week 12: [30-Sep-19 to 5-Oct-19]	Recursion Problems, Revision and Discussion	B- Trees; Problems, Revision and Discussion
Week 13: [7-Oct-19 To 12-Oct-19]	Storage classes in C: auto, extern, register and static storage class, their scope, storage and lifetime Problems, Revision and Discussion	Files: Serial file organization,Problems, Problems, Revision and Discussion
Week 14: [14-Oct-19 To 19-Oct-19]	Arrays: Definition, types, initialization Test 1	Sequential file organization Test 1
Week 15: [21-Oct-19 To 23-Oct-19]	Processing an array	Indexed file organization, revise
Week 16: [31-Oct-19 2-Nov-19]	Cache memory Passing arrays to functions	Direct file organization
Week 17: [4-Nov-19 To 9-Nov-19]	Passing arrays to functions, strings Problems, Revision and Discussion	Multi list file organization Problems, Revision and Discussion

Week 18: [11-Nov-19 To 16-Nov-19]	Strings and arrays Revision Test 2	Question Paper Discussion Revision Test 2
Week 19: [18-Nov-19 19-Nov-19]	Revision	Revision