

13	25-26	Functions	call by reference, call by value,	-0-	
14	27-28	Functions	Recursive Functions, arrays as function arguments, Programming Practice.	-0-	
16	29		Revesion Classes	-0-	
			Session Closed		


Signature of Teacher with Date


Signature of H.O.D.

Govt. Polytechnic Sundernagar (H.P.)


Practical Planning & Coverage

Branch: Computer Engineering		Semester : 2nd Semester Computer Engg.(Diploma)			
Subject : Computer Programming Using C		Session :2020-21(March-July,2021)			
Teacher : Sudhir Sen		Laboratory : Advance Programming Lab.			
Practical No.	Detail of Contents	Reference for Procedure/ Writup	Likely Dates	Acutal Date	Signature
1	To print a message like "Hello World" on computer screen	Lab Manual	March,15,17,20,22		
2	Using variables and arithmetic operators: To perform addition, subtraction, multiplication and division operations on two integers	Lab Manual	March 27,31, April 4		
3	Using unformatted I/O • To use unformatted character I/O functions (getchar() and putchar()) • Use unformatted string I/O functions (gets() and puts()).	Lab Manual	April 12,17,19,24		
4	Using Formatted I/O • To use scanf() function to read integers (%d, %i, %o, %u, %x), characters (%c), floating point numbers (%f, %g, %e), strings (%s, scanfset) • To use printf() function to format and print output (%d, %i, %o, %u, %x, %e, %E, %f, %g, %c, %p, %c, %s, %n) • To change width, precision and alignment of the output of printf()	Lab Manual	April, 26,28 May,1,3,5		
5	Using Conditional Branching: • To computer the real roots of a quadratic equation (using if statement to check for the imaginary • roots To check whether a given integer is even or odd (if ... else statement • To write month name corresponding to a month number (switch ... case)	Lab Manual	May 10,12,15,17,19,22		
6	Using Iterative Statements: • To check whether a given integer is prime • To reverse the digits of a given positive integer • To generate the multiplication table of a given integer • To generate the first n terms of a given AP series • To generate first n terms of Fibonacci series • To compute factorial of a given integer	Lab Manual	May 24,29 June 2,5,7,9		


(Sudhir Sen)

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HOD

7	Using Arrays: <ul style="list-style-type: none"> • To compute sum of elements of a one dimensional integer array • To find the largest element in a one dimensional array • To search a given element in a one dimensional array • To perform matrix addition and matrix multiplication using 2-D arrays 	Lab Manual	June 14,16,19		
8	Using Strings: <ul style="list-style-type: none"> • To convert the alphabetic characters of a string to uppercase • To find the length of a string • To use Standard Library String Functions (strcat(), strrev(), strcpy(), strcmp()) 	Lab Manual	June 21,23,26		
9	Using Pointers: <ul style="list-style-type: none"> • Demonstrating the use of address and dereferencing operators • Performing pointer arithmetic to manipulate an array 	Lab Manual	June 28, 30,		
10	Using Functions: <ul style="list-style-type: none"> • Writing a function to find sum of two integers • Writing a function to swap value of two integers (Call by reference) • Writing a function to compute factorial of a given integer (Recursion) 	Lab Manual	July 3, 5		
Session Closed					


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Practical Planning & Coverage

Branch: Computer Engineering		Semester : 2nd Semester Computer Engg.(Diploma)			
Subject : Computer Workshop		Session :2020-21(March-July,2021)			
Teacher : Sudhir Sen		Laboratory : Advance Programming Lab.			
Practical No.	Detail of Contents	Reference for Procedure/ Writeup	Likely Dates	Actual Date	Signature
1	Optical Devices <input type="checkbox"/> CD-R, DVD, CD-W <input type="checkbox"/> Working <input type="checkbox"/> Copying <input type="checkbox"/> CD/DVD drives <input type="checkbox"/> Pen drive (copying data, formatting, scanning)	Lab Manual	March 17,20		
2	Microphones and Speakers <input type="checkbox"/> Types and Interfacing	Lab Manual	March 24,27,31		
3	Projectors <input type="checkbox"/> Types <input type="checkbox"/> Settings <input type="checkbox"/> Interfacing	Lab Manual	April 3,7		
4	Hard disks <input type="checkbox"/> Different makes of Hard disks, installation <input type="checkbox"/> Retrieval of Hard disk data	Lab Manual	April 17,24,28		
5	Graphic Card connection Sound Card Connection	Lab Manual	May 1,5,12		
6	Different types of network interface cards, cables such as data cables, printer cables, network cables, power cables etc. Networking tools such as cutter, connector (RJ45)	Lab Manual	May 15,19,22,29		
7	Network Cable <input type="checkbox"/> Straight Cable <input type="checkbox"/> Cross Cable <input type="checkbox"/> Roll Cable	Lab Manual	June 2,5,9,16		
8	Types of cables <input type="checkbox"/> UTP Cables: CAT3, CAT5, CAT6, CAT7 <input type="checkbox"/> Fibre optic cable <input type="checkbox"/> Structured cabling	Lab Manual	June 19,23,26,30		
Session Closed					

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Lecture Planning (Theory)

Branch: Computer Engineering Semester : 2nd Semester Computer Engg. (Diploma)

Subject : Computer Workshop Session : 2020-21 (March-July, 2021)

Teacher : Sudhir Sen Laboratory : Advance Programming Lab.

Sr no	Nos of Lecturer	Chapter/ Unit Description	Detail of Contents	Reference Resources	Remarks
1	1	Optical Devices	<input type="checkbox"/> CD-R, DVD, CD-W <input type="checkbox"/> Working <input type="checkbox"/> Copying <input type="checkbox"/> CD/DVD drives <input type="checkbox"/> Pen drive (copying data, formatting, scanning)	Computer Fundamental by S.K. Jha	
2	2	Microphones and Speakers	<input type="checkbox"/> Types and Interfacing	-do-	
3	3	Projectors	<input type="checkbox"/> Types <input type="checkbox"/> Settings <input type="checkbox"/> Interfacing	-do-	
4	4	Hard disks	<input type="checkbox"/> Different makes of Hard disks, installation <input type="checkbox"/> Retrieval of Hard disk data	-do-	
5	5	Card connection	<input type="checkbox"/> Graphics Card <input type="checkbox"/> Sound Card	-do-	
6	6	Networking	<input type="checkbox"/> Different types of network interface cards, cables such as data cables, printer cables, network <input type="checkbox"/> Networking tools such as cutter, connector (RJ45) <input type="checkbox"/> Network Cable, <input type="checkbox"/> Straight Cable <input type="checkbox"/> Cross Cable <input type="checkbox"/> Roll Cable	-do-	
7	7	Types of cables	<input type="checkbox"/> UTP Cables: CAT3, CAT5, CAT6, CAT7	-do-	
8	8		<input type="checkbox"/> Fibre optic cable	-do-	
9	9		<input type="checkbox"/> Structured cabling	-do-	
10	10			-do-	
11	11			-do-	
12	12			-do-	
Session Closed					

Sudhir Sen
Signature of Teacher with Date

[Signature]
Signature of H.O.D.