

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-दो			पाठ्यक्रम योजना : सत्र 2020-21		विषय : कम्प्यूटर साइंस
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.2020	1	Harvind Kr.Srivastava	I	Data structure	Introduction
17.07.2020	2	H.K.S.	I	Data structure	Concept of data type
18.07.2020	1	H.K.S.	II	Discrete mathematical	Introduction
20.07.2020	2	H.K.S.	II	Mathematical Logic	Statements & Notations
21.07.2020	1	Virendra Tiwari	III	Mathematical Logic	Statements & Notations
22.07.2020				Class Teaching	
23.07.2020	3	H.K.S.	I	Introduction data structure	Primitive data type
24.07.2020	4	H.K.S.	I	Introduction data structure	Abstract data type
27.07.2020	3	H.K.S.	II	Mathematical Logic	Disjunction & Conjunction normal Forms
28.07.2020	4	H.K.S.	II	Mathematical Logic	Law of duality, Quantifiers, Argument
29.07.2020	2	V.T.	III	Statistical analysis	Arithmetic average, Types of average
30.07.2020				Monthly Evaluation	
31.07.2020	5	H.K.S.	I	Introduction data structure	Polymorphic data type
04.08.2020	6	H.K.S.	I	Introduction data structure	Describe of various data structure
05.08.2020	5	H.K.S.	II	Fundamentals	Sets, Subsets, Infinite, Equal sets
06.08.2020	6	H.K.S.	II	Fundamentals	Infinite, Equal sets laws
07.08.2020	3	V.T.	III	Statistical analysis	Calculation of arithmetic average in a
					discrete series
08.08.2020				Class Teaching	
10.08.2020	7	H.K.S.	I	Introduction data structure	Performance analysis
11.08.2020	8	H.K.S.	I	Introduction data structure	Performance measurement
13.08.2020	7	H.K.S.	II	Fundamentals	Laws (Associative, Distributive)
14.08.2020	8	H.K.S.	II	Fundamentals	Laws (De'morgan's etc)
17.08.2020	4	V.T.	III	Statistical analysis	Problems
18.08.2020				Class Teaching	
19.08.2020	9	H.K.S.	I	Introduction data structure	Defining programs
20.08.2020	10	H.K.S.	I	Introduction data structure	Defining problems
21.08.2020	9	H.K.S.	II	Fundamentals	Venn Diagram, Cartesian Product of sets
22.08.2020	10	H.K.S.	II	Fundamentals	Relations, Types of Relations
24.08.2020	5	V.T.	III	Statistical analysis	Problems

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25.08.2020				Class Teaching	
26.08.2020	11	H.K.S.	I	Introduction data structure	Coading, Yesting, Documentation of Program
27.08.2020	12	H.K.S.	I	Introduction data structure	Concept of Recursion
28.08.2020	11	H.K.S.	II	Fundamentals	Types of relations (Equivalance)
01.09.2020	12	H.K.S.	II	Fundamentals	Compositon of Relations
02.09.2020	6	V.T.	III	Statistical analysis	Merites of Arithmetic average, demerites of Arithmetic average
03.09.2020				Monthly Evaluation	
04.09.2020	13	H.K.S.	I	IDS	Examples of Recursion Function
05.09.2020	14	H.K.S.	I	IDS	Program of Recursion Function
07.09.2020	13	H.K.S.	II	Functions	Types of Functions, Composition of Function
08.09.2020	14	H.K.S.	II	Graphs	Graph Terminology
09.09.2020	7	V.T.	III	Statistical analysis	Median its related problems
10.09.2020				Class Teaching	
11.09.2020	15	H.K.S.	I	Arrays	Introduction
12.09.2020	16	H.K.S.	I	Arrays	Onr Dimensional array
14.09.2020	15	H.K.S.	II	Graphs	Application of graph
15.09.2020	16	H.K.S.	II	Graphs	Finite Graph
16.09.2020	8	V.T.	III	Statistical analysis	Median problems
18.09.2020				Class Teaching	
19.09.2020	17	H.K.S.	I	Arrays	Two & multidimentional array
21.09.2020	18	H.K.S.	I	Arrays	[] representation in memory
22.09.2020	17	H.K.S.	II	Graphs	Homomorphism
23.09.2020	18	H.K.S.	II	Graphs	Sub Graph
24.09.2020	9	V.T.	III	Statistical analysis	Median its related problems
25.09.2020				Test	
26.09.2020	19	H.K.S.	I	Array	One & Two & Multidimentional of array Program
28.09.2020	20	H.K.S.	I	Linked List	Introduction Linked List
29.09.2020	19	H.K.S.	II	Graphs	Walk Paths
30.09.2020	20	H.K.S.	II	Graphs	Walk Circuits

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01.10.2020	10	V.T.	III	Statistical analysis	Geometric mean
03.10.2020				Class Teaching	
05.10.2020	21	H.K.S.	I	Linked List	Representation of Linked List
06.10.2020	22	H.K.S.	I	Linked List	Operation of Linked List
07.10.2020	21	H.K.S.	II	Graphs	Connected Graph
09.10.2020	22	H.K.S.	II	Graphs	Eulaline Graph
10.10.2020	11	V.T.	III	Statistical problems	Harmonic mean
12.10.2020				Class Teaching/Test	
13.10.2020	23	H.K.S.	I	Linked List	Operation of Linked List
14.10.2020	24	H.K.S.	I	Linked List	Program of Linked List
15.10.2020	23	H.K.S.	II	Graphs	Eulaline Graph
16.10.2020	24	H.K.S.	II	Graphs	Operation of Graph
17.10.2020	12	V.T.	III	Statistical analysis	Introduction to measure of dispersion range
19.10.2020				Class Teaching	
20.10.2020	25	H.K.S.	I	Stack & Queues	Implementation of stack in memory using pointer
21.10.2020	26	H.K.S.	I	Stack & Queues	Implementation of queues in memory using array
22.10.2020	25	H.K.S.	II	Graphs	Hamilton Graph
23.10.2020	26	H.K.S.	II	Graphs	Hamilton Circuits
29.10.2020	13	V.T.	III	Statistical analysis	Problems of range
31.10.2020				Class Teaching	
02.11.2020	27	H.K.S.	I	Stack & Queues	Implementation of squeues in memory using pointer
03.11.2020	28	H.K.S.	I	Stack & Queues	Application of Stack & Queues
04.11.2020	27	H.K.S.	II	Graphs	Konizberg bridge, K.map, Boolean Expression
05.11.2020	28	H.K.S.	II	Graphs	Matrix Representation of Graph
06.11.2020	14	V.T.	III	Startistical analysis	Mean deviation problems
07.11.2020				Class Teaching	
09.11.2020	29	H.K.S.	I	Stack & Queues	Evaluation of Expression (Postfix)
10.11.2020	30	H.K.S.	I	Stack & Queues	Evaluation of Expression (Infix, Prifix)
17.11.2020	29	H.K.S.	II	Posets & Lattices	Partial order relation
18.11.2020	30	H.K.S.	II	Posets & Lattices	Partial order relation

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19.11.2020	15	V.T.	III	Statistical analysis	Introduction to standard deviation & its related problems
21.11.2020				Monthly Evaluation	
23.11.2020	31	H.K.S.	I	Stack & Queues	Circular Queues, Priority queues
24.11.2020	32	H.K.S.	I	Tree	Introduction
26.11.2020	31	H.K.S.	II	Posets & Lattices	Hassel Digram, Poset
27.11.2020	32	H.K.S.	II	Posets & Lattices	Maximal & minimal elements
28.11.2020	16	V.T.	III	Statistical analysis	Merit & demerit of SD coefficient of variation & its problems
01.12.2020				Class Teaching	
02.12.2020	33	H.K.S.	I	Tree	Binary Tree, BST
03.12.2020	34	H.K.S.	I	Tree	Representation of Binary Search tree using array
07.12.2020	33	H.K.S.	II	Posets & Lattices	Maximum & minimum elements
08.12.2020	34	H.K.S.	II	Posets & Lattices	Upper Bond & Lower Bond, Lattices
09.12.2020	17	V.T.	III	Statistical analysis	Introduction to regression & correlation & its type
11.12.2020				Class Teaching	
12.12.2020	35	H.K.S.	I	Searching & Sorting Techniques	Linked search
14.12.2020	36	H.K.S.	I	Searching & Sorting Techniques	Binary search
15.12.2020	35	H.K.S.	II	Posets & Lattices	Lattices
16.12.2020	36	H.K.S.	II	Tree	Introduction
17.12.2020	15	V.T.	III	Statistical analysis	Problems
18.12.2020				Class Teaching	
21.12.2020	37	H.K.S.	I	Sorting	Insertion sort
22.12.2020	38	H.K.S.	I	Sorting	Quick sort
23.12.2020	37	H.K.S.	II	Tree	Properties of Trees
24.12.2020	38	H.K.S.	II	Tree	Introduction
26.12.2020	19	V.T.	III	Statistical analysis	Movement, Kurtosis
28.12.2020				Monthly Evaluation	
29.12.2020	39	H.K.S.	I	Sorting	Merg Sort

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30.12.2020	40	H.K.S.	I	Sorting	Bubble Sorting
31.12.2020	39	H.K.S.	II	Trees	Binary Trees
01.01.2021	40	H.K.S.	II	Trees	Spanning Trees
02.01.2021	20	V.T.	III	Statistical analysis	Movement, Kurtosis
04.01.2021				Class Teaching	
06.01.2021	41	H.K.S.	I	Sorting	Insertion Sort Problem
07.01.2021	42	H.K.S.	I	Sorting	Quick Sort Problem
08.01.2021	41	H.K.S.	II	Trees	Maching
09.01.2021	42	H.K.S.	II	Trees	Matrix Representation
11.01.2021	21	V.T.	III	Approximation Error	Significant figured, accuracy & different type
					of error
12.01.2021				Class Teaching	
13.01.2021	22	V.T.	III	Sorting	Merge Sort Problem
16.01.2021	23	V.T.	III	Sorting	Bubble Sort Problem
18.01.2021	43	H.K.S.	II	Trees	Graph, Coloring
19.01.2021	44	H.K.S.	II	Trees	Direced & Undirected graph
20.01.2021	24	V.T.	III	Root & Equation	Graphical Method, Dissection method, matrix,
					rotation
21.01.2021				Class Teaching	
22.01.2021	25	H.K.S.	I		Revision
23.01.2021		H.K.S.	I		Revision
25.01.2021		H.K.S.	I		Revision
27.01.2021		V.T.	III	System of Linear Algebric	Pivoting & Scaling, lagranejian Poly
				Equation	Nominal, Forwardddifference Method
28.01.2021		V.T.	III	Root & Equation	False Partition method newton raphson method
29.01.2021				Monthly Evaluation	
30.01.2021		V.T.	III	Numerical Integration	Rectanguler rule, tropzodal nile simpson 1/3 & 3/8 rule
31.01.2021		V.T.	III	System of Linear elgebric equation	Determination of cramer rule, Grass jaurdan & 24 decomposition method