FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Traffice challes south and souther traffice to the				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 1	Name of Student: Shru	Name of Student: Shruti Dnyaneshwar Anabhavane		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniqu	ies along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	eatness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 2	Name of Student: Indra	anil Suresh Angolkar		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	atness/Presentation			2
3	Punctuality			2	
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
ইয়াতির বিচাল অত্যান্তর জনতার বিচালা, বং এক				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 3	Name of Student: Om	Name of Student: Om Rajesh Awasare		
Experiment No: 01	·	Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniq	ues along with collision	
	resolution methods for	r hashing.		
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	curred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ess/Presentation			2
3	Punctuality	unctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	te of Assessment (DOA) Signature of Teacher				

FAMT Security softe	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 5	Name of Student: Ruch	nita pravin Belosay			
Experiment No: 01		Quiz Score:	6		
Name of Experiment: Int	roduction to Sorting Algo	orithm			
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	s along with collision		
	resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
	to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ess/Presentation			2
3	Punctuality	unctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	te of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratn			
विकास स्थापन कर्णना were friend as an	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Ye	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 6	Name of Student: Prava	nt Bera		
Experiment No: 01		Quiz Score:	5	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, T, H, K , L , N , V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.		Parameters		Marks Obtaine d	Out of
1	Technical Understand online quiz)	ling (Assessment based on	ng (Assessment based on Q and A through		6
2	Neatness/Presentation	on			2
3	Punctuality				2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 7	Name of Student: Hafs	a Muneer Bhatkar		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tion			2
3	Punctuality				2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	te of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24				
Roll No: 8	Name of Student: Atha	rva Sandip Bhatye	•		
Experiment No: 01		Quiz Score:	6		
Name of Experiment: Int	roduction to Sorting Algo	orithm			
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision		
	resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
to the collision occurred in hashing.					

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ntation			2
3	Punctuality	ry			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Pate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ra			
विकास करिया करिया । अपना विकास करा ।	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 9	Name of Student: Suchi	t bhonkar		
Experiment No: 01		Quiz Score:	4	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, T, H, K , L , N , V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	12
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		4	6
2	Neatness/Presentation	on			2
3	Punctuality				2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	te of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri		
Telegodely solver	Department of MCA		
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 10	Name of Student: Bhavesh	h Atmaram Chaugule	
experiment No: 01	C	Quiz Score:	6
Name of Experiment: Introd	luction to Sorting Algorit	:hm	
ab Objective applicable: St	udy Sorting, Searching ar	nd hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
Roll No: 10 Experiment No: 01 Name of Experiment: Introc ab Objective applicable: Si	Name of Student: Bhavesl Cluction to Sorting Algorith Ludy Sorting, Searching and Lessolution methods for ha	h Atmaram Chaugule Quiz Score: hm nd hashing techniques ashing. nd Hashing techniques	6 along with

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	resentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
হৈছিল বিশ্বাস অধীক were front acon	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Ye	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 11	Name of Student: Prana	ay Sharad Chavan		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ess/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
ইয়াত বিশ্বাস অন্যান্ত ভালান হয় চা				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 12	Name of Student: Sahil	sandip chavan		
Experiment No: 01		Quiz Score:	5	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing technique	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing.			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	13
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		5	6
2	Neatness/Presentation	ss/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 13	Name of Student: Nitar	nt Naresh Deulkar			
Experiment No: 01		Quiz Score:	6		
Name of Experiment: Int	roduction to Sorting Algo	rithm			
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision		
	resolution methods for hashing.				
Lab Outcome applicable:	b Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ess/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
নিয়ার বহুলৈ অন্যান্ত জনাল ইফালে কা নে				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 14	Name of Student: Yuva	raj Dattaram Dhanavade	e	
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	sentation			2
3	Punctuality	nctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratn		
विशेष विशेष कर्णना स्थान विशेष कर्णना	Department of MCA		A
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-2		Academic Year: 2023-24
Roll No: 17	Name of Student: Tejal	Sakharam Ghadi	
Experiment No: 01	Experiment No: 01 Quiz Score:		6
Name of Experiment: Int	roduction to Sorting Algo	rithm	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
	to the collision occu	irred in hashing	

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 18	Name of Student: Vaisl	hnavi Prabhakar Ghag		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing technique	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ss/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
নিয়ার বিহান অন্যান্ত জনাল ইকালে কা ক				
Course Code: MCAL11	Course Name: Data Sti	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 19	Name of Student: Char	ndan Bhagwan Howale		
Experiment No: 01	·	Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	sentation			2
3	Punctuality	nctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
Department of MCA			
Course Name: Data Structures Lab using C/C++			
Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Name of Student: Uzaif	Rafiq Isani		
	Quiz Score:	6	
oduction to Sorting Algo	rithm		
Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
	Course Name: Data Structure Semester: I CBCGS (1 Years) Name of Student: Uzaif Coduction to Sorting Algorithms Study Sorting, Searching resolution methods for Apply Sorting, Searching	Finolex Academy Of Management And Department of MC Course Name: Data Structures Lab using C/C++ Semester: I CBCGS (1 Year MCA) Name of Student: Uzaif Rafiq Isani Quiz Score: Coduction to Sorting Algorithm Study Sorting, Searching and hashing techniques resolution methods for hashing.	

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 21	Name of Student: Sum	it Deepak Jakhal		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	•	
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniqu	ues along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 22	Name of Student: Neha	a prakash jog	·	
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri		
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Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Ye	Semester: I CBCGS (1 Year MCA) Academic Y	
Roll No: 23	Name of Student: Visha	ıl	
Experiment No: 01	Experiment No: 01 Quiz Score		6
Name of Experiment: Int	roduction to Sorting Algo	rithm	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Indica datin such as word front at in				
Course Code: MCAL11	Course Name: Data Sti	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 24	Name of Student: Tanr	nay shrikant jogaleka	ar	
Experiment No: 01		Quiz Score:	5	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing technic	ques along with collision	
	resolution methods for	hashing.	-	
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	13
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		5	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
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Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 202		Academic Year: 2023-24	
Roll No: 24	Name of Student: Shiwa	ali kamble		
Experiment No: 01	o: 01 Quiz Score:		6	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tion			2
3	Punctuality	ctuality			2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
Indica deleta sortier were families on	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-		Academic Year: 2023-24	
Roll No: 25	Name of Student: Sanik	a Joshi		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Inti	oduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ling (Assessment based on Q and A through		6	6
2	Neatness/Presentation	Neatness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 27	Name of Student: Kara	le Sanika Bhavesh		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	prithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	/Presentation			2
3	Punctuality	unctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 28	Name of Student: Abdu	ullah			
Experiment No: 01		Quiz Score:	6		
Name of Experiment: Int	roduction to Sorting Algo	orithm			
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniq	ues along with collision		
	resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
to the collision occurred in hashing.					

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	s/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
Department of MCA			
Course Name: Data Structures Lab using C/C++			
Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		Academic Year: 2023-24	
Name of Student: Prath	amesh laxman khape		
Experiment No: 01 Quiz Sco		6	
oduction to Sorting Algo	rithm		
Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
	Course Name: Data Structure Semester: I CBCGS (1 Years) Name of Student: Prather oduction to Sorting Algorithms Study Sorting, Searching resolution methods for Apply Sorting, Searching	Finolex Academy Of Management And Department of MC Course Name: Data Structures Lab using C/C++ Semester: I CBCGS (1 Year MCA) Name of Student: Prathamesh laxman khape Quiz Score: Coduction to Sorting Algorithm Study Sorting, Searching and hashing techniques resolution methods for hashing.	

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	atness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT broaden with	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 31	Name of Student: Rahı	Name of Student: Rahul Ramesh Khedekar			
Experiment No: 01		Quiz Score:	6		
Name of Experiment: Int	roduction to Sorting Algo	orithm			
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniqu	es along with collision		
	resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
to the collision occurred in hashing.					

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	atness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 32	Name of Student: Aafa	n Ashraf Kotawdekar		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	and hashing technique	es along with collision	
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	atness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri		
विकास करिया करिया । अपना विकास करा ।	Department of MCA		
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 33	Name of Student: Saabi	qah Kotawdekar	
Experiment No: 01		Quiz Score:	6
Name of Experiment: Int	roduction to Sorting Algo	rithm	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
to the collision occurred in hashing			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	sentation			2
3	Punctuality	unctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA		
ইয়াতি বিভাগ অন্যান্ত জনান বিভাগ এই বি			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year:		Academic Year: 2023-24
Roll No: 34	Name of Student: Prasa	d Shivaji Kumbhar	
Experiment No: 01		Quiz Score:	6
Name of Experiment: Int	roduction to Sorting Algo	rithm	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
to the collision occurred in hashing			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	/Presentation			2
3	Punctuality	unctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 35	Name of Student: Nazr	ana Hamid kurawle		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	prithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing.			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	sentation			2
3	Punctuality	unctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 36	Name of Student: Adity	ya Yashwant Main		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 37	Name of Student: Onka	Name of Student: Onkar Rajan Malawade		
Experiment No: 01		Quiz Score:	5	
Name of Experiment: Int	roduction to Sorting Algo	prithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	along with collision	
	resolution methods for	hashing.		
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Insertion Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		5	6
2	Neatness/Presentation	atness/Presentation			2
3	Punctuality	Punctuality			2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 38	Name of Student: Neh	a Prafulla Malgaonkar	·	
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing.			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	eatness/Presentation			2
3	Punctuality			2	
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	e of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
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Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		Academic Year: 2023-24	
Roll No: 39	Name of Student: Esha	Name of Student: Esha Ravindra Mandavkar		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniq	ues along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing.			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	eatness/Presentation			2
3	Punctuality			2	
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	e of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 40	Name of Student: Rash	mi Ravindra More	•	
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision	
	resolution methods for	hashing.	-	
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ding (Assessment based on Q and A through		6	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	e of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 41	Name of Student: Rupa	ali Ramchandra More		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniq	ues along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	s/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 42	Name of Student: maa	hin imtiyaz mulla		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	s/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 43	Name of Student: Saya	li Sujit Mungekar		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	prithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	s/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
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Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Ye	Semester: I CBCGS (1 Year MCA) Academ		
Roll No: 45	Name of Student: Satya	ijit Panchal		
Experiment No: 01 Qu		Quiz Score:	5	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	13
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		5	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
নিয়ার বহুলৈ অন্যান্ত জনাল ইফালে কা নে				
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023		Academic Year: 2023-24	
Roll No: 46	Name of Student: Kaus	tubh parab		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniqu	ues along with collision	
	resolution methods for	hashing.	-	
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	Finolex Academy	HOPE Foundation's Of Management And	Technology, Ratnagiri
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Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Ye	Semester: I CBCGS (1 Year MCA)	
Roll No: 47	Name of Student: Kuna	l Parab	
Experiment No: 01		Quiz Score:	5
Name of Experiment: Int	roduction to Sorting Algo	rithm	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
to the collision occurred in hashing			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	13
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ling (Assessment based on Q and A through		5	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	te of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-2		Academic Year: 2023-24	
Roll No: 48	Name of Student: Sejal	Vishwajeet Parab		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	prithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
	resolution methods for	hashing.		
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
হৈছিল কৰিছিল কৰিছিল জনতা বিভাগে কৰে				
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-		Academic Year: 2023-24	
Roll No: 49	Name of Student: Riza	Name of Student: Riza Samad Patankar		
Experiment No: 01		Quiz Score:	5	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
	resolution methods for	hashing.		
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	13
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		5	6
2	Neatness/Presentation	atness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT Houseling softer	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 50	Name of Student: Dhru	ıv Manohar Patel			
Experiment No: 01		Quiz Score:	6		
Name of Experiment: Int	roduction to Sorting Algo	orithm			
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	es along with collision		
	resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
	to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	ite of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
Traffice challes south as source distance, and	Department of MCA			
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 51	Name of Student: Uma	Ishwar Patel		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing technic	ques along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	ite of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 52	Name of Student: Aksh	nada Patil		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniq	ues along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ation			2
3	Punctuality	Punctuality			2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
विक्रीय संबंधित स्वर्धना स्वर्धना । स्वरूपन विकास स्वर्धना	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year:		Academic Year: 2023-24	
Roll No: 53	Name of Student: Jyotin	raditya		
Experiment No: 01	Quiz Score: 6		6	
Name of Experiment: Int	oduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
Tellion challed souther souther south thems, e.g., and	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		Academic Year: 2023-24	
Roll No: 54	Name of Student: Pran	ali Tanaji Patil		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniqu	es along with collision	
	resolution methods for	hashing.		
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ng (Assessment based on Q and A through		6	6
2	Neatness/Presentation	on			2
3	Punctuality				2
Date	of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 55	Name of Student: Prati	hamesh Tatyaso Patil		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing techniques	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occ	urred in hashing		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	te of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
হৈছিল বিশ্বাস কৰিব were front acon	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		Academic Year: 2023-24	
Roll No: 56	Name of Student: Sarth	ak Ashutosh Patil		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	leatness/Presentation			2
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri			
হৈছিল বিশ্বস্থিত অধীক্ষ were front acon	Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023		Academic Year: 2023-24	
Roll No: 57	Name of Student: Sneh	a Patil		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	tness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	te of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 58	Name of Student: Swa	pnali Jayawant Patil		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm		
Lab Objective applicable:	Study Sorting, Searching	g and hashing technique	s along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA		
ইয়াতি বিভাগ অন্যান্ত জনান বিভাগ বল			
Course Code: MCAL11	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Ye	
Roll No: 59	Name of Student: Vaish	ınavi Patil	
Experiment No: 01	Experiment No: 01 Quiz Score:		6
Name of Experiment: Int	roduction to Sorting Algo	rithm	
Lab Objective applicable:	Study Sorting, Searching	and hashing techniques	along with collision
resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle			
to the collision occurred in hashing			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	s/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA Course Name: Data Structures Lab using C/C++			
Course Code: MCAL11				
Class: FYMCA	Semester: I CBCGS (1 Y	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24		
Roll No: 60	Name of Student: Mith	il Suresh Pawar	·	
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	orithm	·	
Lab Objective applicable:	Study Sorting, Searching	and hashing technique	es along with collision	
	resolution methods for hashing.			
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
to the collision occurred in hashing.				

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	s/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	ate of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA			
Inflordate collar wave families in				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++		
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24			
Roll No: 61	Name of Student: Rahu	Name of Student: Rahul Umesh Pawar		
Experiment No: 01		Quiz Score:	6	
Name of Experiment: Int	roduction to Sorting Algo	rithm		
Lab Objective applicable:	Study Sorting, Searching	and hashing technique	es along with collision	
	resolution methods for	hashing.		
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	to the collision occurred in hashing.			

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation	ness/Presentation			2
3	Punctuality	Punctuality			2
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24				
Roll No: 62	Name of Student: Deep	Name of Student: Deepak Jagannath Pirankar			
Experiment No: 01	Quiz Score: 6		6		
Name of Experiment: Introduction to Sorting Algorithm					
Lab Objective applicable: Study Sorting, Searching and hashing techniques along with collision					
resolution methods for hashing.					
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
to the collision occurred in hashing.					

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	ing (Assessment based on Q and A through		6	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	e of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				

FAMT	HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri Department of MCA				
Course Code: MCAL11	Course Name: Data Str	Course Name: Data Structures Lab using C/C++			
Class: FYMCA	Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24				
Roll No: 63	Name of Student: Gaya	Name of Student: Gayatri Manik Rane			
Experiment No: 01	Quiz Score: 6		6		
Name of Experiment: Introduction to Sorting Algorithm					
Lab Objective applicable: Study Sorting, Searching and hashing techniques along with collision					
resolution methods for hashing.					
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle					
to the collision occurred in hashing.					

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
2	Which is non-comparative sorting algorithm	Radix sort	Radix sort
3	Sort the following list using the Selection Sort Algorithm H,V,A,T,L,N,K What is the output of the algorithm of third pass	A, H, K, T, L, N, V	A, H, K, T, L, N, V
4	If the given input array is sorted or nearly sorted, which of the following algorithm gives the best performance?	Insertion Sort	Insertion Sort
5	The number of swapping needed to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using bubble sort is	10	10
6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	anding (Assessment based on Q and A through		6	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	te of Execution (DOE) Total Marks Obtained			10	
Date of Assessment (DOA) Signature of Teacher					

HOPE Foundation's Finolex Academy Of Management And Technology, Ratnagiri				
Department of MCA				
Course Name: Data Stru	Course Name: Data Structures Lab using C/C++			
Semester: I CBCGS (1 Year MCA) Academic Year: 2023-24				
Name of Student: Vaibh	Name of Student: Vaibhav Prakash Bagave			
Experiment No: 01 Quiz Score: 5		5		
Name of Experiment: Introduction to Sorting Algorithm				
Lab Objective applicable: Study Sorting, Searching and hashing techniques along with collision				
resolution methods for hashing.				
Lab Outcome applicable: Apply Sorting, Searching and Hashing techniques to various data and handle				
	Course Name: Data Stru Semester: I CBCGS (1 Ye Name of Student: Vaibb roduction to Sorting Algor Study Sorting, Searching resolution methods for Apply Sorting, Searching	Finolex Academy Of Management And Department of MC Course Name: Data Structures Lab using C/C++ Semester: I CBCGS (1 Year MCA) Name of Student: Vaibhav Prakash Bagave Quiz Score: Coduction to Sorting Algorithm Study Sorting, Searching and hashing techniques resolution methods for hashing.		

Q. No.	Question	Correct Answer	Given Answer
1	Comperes pair of items and swaps them if they are in the wrong order. Each pair in the list is checked.	Bubble Sort	Bubble Sort
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6	6. Shell sort is a generalization of.	Insertion Sort	Insertion Sort

Sr. No.	Parameters		Marks Obtaine d	Out of	
1	Technical Understand online quiz)	anding (Assessment based on Q and A through		5	6
2	Neatness/Presentation			2	
3	Punctuality			2	
Date	te of Execution (DOE) Total Marks Obtained			10	
Date o	Date of Assessment (DOA) Signature of Teacher				