M. S. G. College, Malegaon Camp

Department of Computer Science

Computer Science Practical Examination 2020-21

Class : SYBSC(Computer Science)	Subject Code : CS -233	Semester : III
Time : 3 Hrs		Max Mark: 35

10

Q1: Write the C-Language program for Create a random array of n integers. Accept a value x from user and use linear search algorithm to check whether the number is present in the array or not and output the position if the number is present.

15

Q2: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in ascending order by using Counting sort algorithm.

Q3: Journal / Viva **10**

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Class : SYBSC(Computer Science)	Subject Code : CS -233	Semester : III
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Q1: Write the C-Language program which Accept n values in array from user. Accept a value x from user and use sentinel linear search algorithm to check whether the number is present in the array or not and output the position if the number is present.

15

Q2: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in ascending order by using a recursive Merge sort algorithm.

Q3: Journal / Viva **10**

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Computer Science Practical Examination 2020-21

Class : SYBSC(Computer Science)	Subject Code : CS -233	Semester : III
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Q1: Write the C-Language program which Accept n sorted values in array from user. Accept a value x from user and use binary search algorithm to check whether the number is present in sorted array or not and output the position if the number is present.

15

Q2: Write the C-Language program to Sort a random array of n integers (create a random array of n integers) in ascending order by using recursive Quick sort algorithm.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which accept n names of cities and a city name from user and use linear search algorithm to check whether the name is present or not.

15

Q2: Write the C-Language program which reads n name from user and sort using counting sort technique

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which accept n names of cities and a city name from user and use sentinel linear search algorithm to check whether the name is present or not.

15

Q2: Write the C-Language program which reads n name from user and sort using merge sort technique

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which accept n names of cities and a city name from user and use binary search algorithm to check whether the name is present or not.

15

Q2: Write the C-Language program which reads n name from user and sort using quick sort technique

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in ascending order by using bubble sort algorithm.

15

Q2: Write the C-Language menu driven program to implement singly linear linked list of integers.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in descending order by using bubble sort algorithm.

15

Q2: Write the C-Language program to Create a linked list of integers, reverse it and display reversed linked list.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (create a random array of n integers) in ascending order by using insertion sort algorithm.

15

Q2: Write the C-Language menu driven program to create, display, insert and delete node in doubly linked list of integers.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in ascending order by using selection sort algorithm.

15

Q2: Write the C-Language program that merges two ordered linked lists into third new list. When two lists are merged the data in the resulting list are also ordered. The two original lists should be left unchanged. That is merged list should be new one. Use linked implementation.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program for Create a random array of n integers. Accept a value x from user and use linear search algorithm to check whether the number is present in the array or not and output the position if the number is present.

15

Q2: Write the C-Language program that adds two single variable polynomials. Each polynomial should be represented as a list with linked list implementation.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (create a random array of n integers) in ascending order by using insertion sort algorithm.

15

Q2: Write the C-Language program that sorts the elements of linked list using any of sorting technique.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in descending order by using bubble sort algorithm.

15

Q2: Write the C-Language menu driven program to implement static stack of integers

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in ascending order by using bubble sort algorithm.

15

Q2: Write the C-Language menu driven program to implement static dynamic of integers

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which accept n names of cities and a city name from user and use binary search algorithm to check whether the name is present or not.

15

Q2: Write the C-Language program that reverses a string of characters using static stack.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which accept n names of cities and a city name from user and use sentinel linear search algorithm to check whether the name is present or not.

15

Q2: Write the C-Language program to convert an infix expression of the form (a*(b+c)*((d-a)/b)) into its equivalent postfix notation using stack.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which accept n names of cities and a city name from user and use linear search algorithm to check whether the name is present or not.

15

Q2: Write the C-Language program that checks whether a string of characters is palindrome or not using stack

Q3: Journal / Viva **10**

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Q1: Write the C-Language program which Accept n sorted values in array from user. Accept a value x from user and use binary search algorithm to check whether the number is present in sorted array or not and output the position if the number is present.

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Q2: Write the C-Language menu driven program to implement static linear queue of integers.

Q3: Journal / Viva **10**

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Q2: Write the C-Language program to Sort a random array of n integers (create a random array of n integers) in ascending order by using recursive Quick sort algorithm.

Q3: Journal / Viva **10**

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Q1: Write the C-Language program to Sort a random array of n integers (accept the value of n from user) in ascending order by using selection sort algorithm.

15

Q2: Write the C-Language menu driven program to implement singly linear linked list of integers.

Q3: Journal / Viva **10**