Saraswati Mahila Mahavidyalaya, Palwal

 **Lesson Plan**

**Name of the Assistant/Associate Professor: Komal Taneja**

**Class and Section:B.SC 2ND year 4th sem**

**Name of subject:Data Structure(lab)**

**Subject Lesson Plan : 18 weeks(from January 2018 to April 2018)**

**(Note: Prepare as per list of holidays declared by Haryana govt.)**

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| **WEEK 1** |
| **ASSIGNMENT:** |
| **WEEK 1,DAY1 ,DATE :01/01/2018(MONDAY)** |
| (Group-1)Write a program to calculate sum of two numbers in array. |
| **WEEK 1 ,DAY 2 ,DATE :02/01/2018(TUESDAY)** |
| Write a program to calculate sum of two numbers in array continues.. |
| **WEEK 1,DAY 3 ,DATE :03/01/2018(WEDNESDAY)** |
| Write a program to implement Fibonacci series… |
| **WEEK 1 ,DAY 4 ,DATE :04/01/2018(THURSDAY)** |
| (Group-2)Write a program to calculate sum of two numbers in array. |
| **WEEK 1,DAY 5 ,DATE :05/01/2018(FRIDAY)** |
|  **Holiday on account of Guru Govind Singh’s Birthday** |
| **WEEK 1 ,DAY 6 ,DATE :06/01/2018(SATURDAY)** |
| Write a program to implement Fibonacci series |
| **WEEK 2** |
| **ASSIGNMENT:** |
| **WEEK 2,DAY1 ,DATE :08/01/2018(MONDAY)** |
| Write a program to implement Fibonacci series continues.. |
| **WEEK 2 ,DAY 2 ,DATE :09/01/2018(TUESDAY)** |
| Discussion on basic syntax and rules of programming language |
| **WEEK 2,DAY 3 ,DATE :10/01/2018(WEDNESDAY)** |
| Write a program to check whether a number is palindrome or not |
| **WEEK 2 ,DAY 4 ,DATE :11/01/2018(THURSDAY)** |
| Discussion on basic syntax and rules of programming language. |
| **WEEK 2,DAY 5 ,DATE :12/01/2018(FRIDAY)** |
| Write a program to implement Fibonacci series continues. |
| **WEEK 2 ,DAY 6 ,DATE :13/01/2018(SATURDAY)** |
| Write a program to check whether a number is palindrome or not |
| **WEEK 3** |
| **ASSIGNMENT:** |
| **WEEK 3,DAY1 ,DATE :15/01/2018(MONDAY)** |
| Write a program to implement factorial of number. |
| **WEEK 3 ,DAY 2 ,DATE :16/01/2018(TUESDAY)** |
| Write a program to implement factorial of number continues.. |
| **WEEK 3,DAY 3 ,DATE :17/01/2018(WEDNESDAY)** |
| Revision of programs |
| **WEEK 3 ,DAY 4 ,DATE :18/01/2018(THURSDAY)** |
| Write a program to implement factorial of number. |
| **WEEK 3,DAY 5 ,DATE :19/01/2018(FRIDAY)** |
| Revision of programs |
| **WEEK 3 ,DAY 6 ,DATE :20/01/2018(SATURDAY)**Doubt class |
| **WEEK 4** |
| **ASSIGNMENT:** |
| **WEEK 3,DAY1 ,DATE :22/01/2018(MONDAY)** |
|  **Holiday on account of Basant Panchmi.** |
| **WEEK 4 ,DAY 2 ,DATE :23/01/2018(TUESDAY)** |
| Write a program to swap two numbers . |
| **WEEK 4,DAY 3 ,DATE :24/01/2018(WEDNESDAY)** |
|  **Holiday on account of Sir Chotu Ram Jayanti.** |
| **WEEK 4 ,DAY 4 ,DATE :25/01/2018(THURSDAY)** |
| Write a program to swap two numbers continues... |
| **WEEK 4,DAY 5 ,DATE :26/01/2018(FRIDAY)** |
|  **Holiday on account of Republic Day.** |
| **WEEK 4 ,DAY 6 ,DATE :27/01/2018(SATURDAY)** |
| Doubt class |
| **WEEK 5** |
| **ASSIGNMENT:** |
| **WEEK 5,DAY1 ,DATE :29/01/2018(MONDAY)** |
| Write a program to implement addition of two matrix. |
| **WEEK 5 ,DAY 2 ,DATE :30/01/2018(TUESDAY)** |
| Write a program to implement addition of two matrix continues.. |
| **WEEK 5,DAY 3 ,DATE :31/01/2018(WEDNESDAY)** |
|  **Holiday on account of Guru Ravi Dass Jayanti** |
| **WEEK 5 ,DAY 4 ,DATE :01/02/2018(THURSDAY)** |
| Write a program to implement addition of two matrix. |
| **WEEK 5,DAY 5 ,DATE :02/02/2018(FRIDAY)** |
| Write a program to implement addition of two matrix continues.. |
| **WEEK 5 ,DAY 6 ,DATE :03/02/2018(SATURDAY)**Doubt class |
| **WEEK 6** |
| **ASSIGNMENT:** |
| **WEEK 6,DAY1 ,DATE :05/02/2018(MONDAY)** |
| Write a program to implement multiplication of two matrix. |
| **WEEK 6 ,DAY 2 ,DATE :06/02/2018(TUESDAY)** |
| Write a program to implement multiplication of two matrix continues.. |
| **WEEK 6,DAY 3 ,DATE :07/02/2018(WEDNESDAY)** |
| Discussion on concepts of logical terms of two dimensional arrays |
| **WEEK 6 ,DAY 4 ,DATE :08/02/2018(THURSDAY)** |
| Write a program to implement multiplication of two matrix .. |
| **WEEK 6,DAY 5 ,DATE :09/02/2018(FRIDAY)** |
| Write a program to implement multiplication of two matrix continues.. |
| **WEEK 6 ,DAY 6 ,DATE :10/02/2018(SATURDAY)** |
|  **Holiday on account of Maharshi Dayanand Saraswati Jayanti.** |
| **WEEK 7** |
| **ASSIGNMENT:** |
| **WEEK 7,DAY1 ,DATE :12/02/2018(MONDAY)** |
| Practical test on programs. |
| **WEEK 7 ,DAY 2 ,DATE :13/02/2018(TUESDAY)** |
| **Holiday on account of Maha Shivaratri.** |
| **WEEK 7,DAY 3 ,DATE :14/02/2018(WEDNESDAY)** |
| Doubt class |
| **WEEK 7 ,DAY 4 ,DATE :15/02/2018(THURSDAY)** |
| Practical test on programs. |
| **WEEK 7,DAY 5 ,DATE :16/02/2018(FRIDAY)** |
| Write a program to implement recursive function |
| **WEEK 7 ,DAY 6 ,DATE :17/01/2018(SATURDAY)** |
| Write a program to implement recursive function continues. |
| **WEEK 8** |
| **ASSIGNMENT:** |
| **WEEK 8,DAY1 ,DATE :19/02/2018(MONDAY)** |
| Write a program to implement recursive function. |
| **WEEK 8 ,DAY 2 ,DATE :20/02/2018(TUESDAY)** |
| Write a program to implement Push operation in stack |
| **WEEK 8,DAY 3 ,DATE :21/02/2018(WEDNESDAY)** |
| Write a program to implement Push operation in stackcontinues.. |
| **WEEK 8 ,DAY 4 ,DATE :22/02/2018(THURSDAY)** |
| Revision of programs. |
| **WEEK 8,DAY 5 ,DATE :23/02/2018(FRIDAY)** |
| Doubt class |
| **WEEK 8 ,DAY 6 ,DATE :24/02/2018(SATURDAY)** |
| Write a program to implement Push operation in stack |
| **WEEK 9** |
| **ASSIGNMENT:** |
| **WEEK 9,DAY1 ,DATE :26/02/2018(MONDAY)** |
| Write a program to implement Pop operation in stack . |
| **WEEK 9 ,DAY 2 ,DATE :27/02/2018(TUESDAY)** |
| Write a program to implement Push operation in stackcontinues |
| **WEEK 9,DAY 3 ,DATE :28/02/2018(WEDNESDAY)** |
|  **VACATION –II** |
| **WEEK 9 ,DAY 4 ,DATE :01/03/2018(THURSDAY)** |
|  **VACATION -II** |
| **WEEK 9,DAY 5 ,DATE :02/03/2018(FRIDAY)** |
|  **VACATION -II** |
| **WEEK 9 ,DAY 6 ,DATE :03/03/2018(SATURDAY)** |
|  **VACATION -II** |
| **WEEK 10** |
| **ASSIGNMENT:** |
| **WEEK 10,DAY1 ,DATE :05/03/2018(MONDAY)** |
| Write a program to insert an element in queue. |
| **WEEK 10,DAY 2 ,DATE :06/03/2018(TUESDAY)** |
| Write a program to insert an element in queue continue.. |
| **WEEK 10,DAY 3 ,DATE :07/03/2018(WEDNESDAY)** |
| Doubt session |
| **WEEK 10,DAY 4 ,DATE :08/03/2018(THURSDAY)** |
| Write a program to implement pop operation in stack. |
| **WEEK 10,DAY 5 ,DATE :09/03/2018(FRIDAY)** |
| Revision class |
| **WEEK 10 ,DAY 6 ,DATE :10/03/2018(SATURDAY)** |
| Write a program to insert an element in queue  |
| **WEEK 11** |
| **ASSIGNMENT:** |
| **WEEK 11,DAY1 ,DATE :12/03/2018(MONDAY)** |
| Practical test on programs. |
| **WEEK 11,DAY 2 ,DATE :13/03/2018(TUESDAY)** |
| Write a program to delete an element in queue  |
| **WEEK 11,DAY 3 ,DATE :14/03/2018(WEDNESDAY)** |
| Write a program to delete an element in queue continues.. |
| **WEEK 11,DAY 4 ,DATE :15/03/2018(THURSDAY)** |
| Write a program to insert an element in queue continues... |
| **WEEK 11,DAY 5 ,DATE :16/03/2018(FRIDAY)** |
| Write a program to delete an element in queue  |
| **WEEK 11 ,DAY 6 ,DATE :17/03/2018(SATURDAY)** |
| Write a program to delete an element in queue conitiues.. |
| **WEEK 12** |
| **ASSIGNMENT:** |
| **WEEK 12,DAY1 ,DATE :19/03/2018(MONDAY)** |
| Doubt session. |
| **WEEK 12,DAY 2 ,DATE :20/03/2018(TUESDAY)** |
| Revision class |
| **WEEK 12,DAY 3 ,DATE :21/03/2018(WEDNESDAY)** |
| Write a program to implement linked list |
| **WEEK 12,DAY 4 ,DATE :22/03/2018(THURSDAY)** |
| Doubt class. |
| **WEEK 12,DAY 5 ,DATE :23/03/2018(FRIDAY)** |
|  **Holiday on account of Shahidi diwas.** |
| **WEEK 12 ,DAY 6 ,DATE :24/03/2018(SATURDAY)** |
| Practical test |
| **WEEK 13** |
| **ASSIGNMENT:** |
| **WEEK 13,DAY1 ,DATE :26/03/2018(MONDAY)** |
| Write a program to implement linked list continues. |
| **WEEK 13,DAY 2 ,DATE :27/03/2018(TUESDAY)** |
| Write a program to implement linked list continues |
| **WEEK 13,DAY 3 ,DATE :28/03/2018(WEDNESDAY)** |
| Doubt class |
| **WEEK 13,DAY 4 ,DATE :29/03/2018(THURSDAY)** |
|  **Holiday on account of Mahavir jayanti.** |
| **WEEK 13,DAY 5 ,DATE :30/03/2018(FRIDAY)** |
| Write a program to implement linked list . |
| **WEEK 13 ,DAY 6 ,DATE :31/03/2018(SATURDAY)** |
| Write a program to implement linked list continues |
| **WEEK 14** |
| **ASSIGNMENT:** |
| **WEEK 14,DAY1 ,DATE :02/04/2018(MONDAY)** |
| Write a program to implement linear Search. |
| **WEEK 14,DAY 2 ,DATE :03/04/2018(TUESDAY)** |
| Write a program to implement Binary Search |
| **WEEK 14,DAY 3 ,DATE :04/04/2018(WEDNESDAY)** |
| Write a program to implement Binary Search continues.. |
| **WEEK 14,DAY 4 ,DATE :05/04/2018(THURSDAY)** |
| Write a program to implement linear Search. |
| **WEEK 14,DAY 5 ,DATE :06/04/2018(FRIDAY)** |
| Write a program to implement Binary Search |
| **WEEK 14 ,DAY 6 ,DATE :07/04/2018(SATURDAY)** |
| Write a program to implement Binary Search continues.. |
| **WEEK 15** |
| **ASSIGNMENT:** |
| **WEEK 15,DAY1 ,DATE :09/04/2018(MONDAY)** |
| Write a program to implement insertion sort. |
| **WEEK 15,DAY 2 ,DATE :10/04/2018(TUESDAY)** |
| Doubt class |
| **WEEK 15,DAY 3 ,DATE :11/04/2018(WEDNESDAY)** |
| Write a program to implement selection sort |
| **WEEK 15,DAY 4 ,DATE :12/04/2018(THURSDAY)** |
| Write a program to implement insertion sort. |
| **WEEK 15,DAY 5 ,DATE :13/04/2018(FRIDAY)** |
| Write a program to implement selection sort |
| **WEEK 15 ,DAY 6 ,DATE :14/04/2018(SATURDAY)** |
| **Holiday on account of Vaisakhi & Dr B.R. Ambedkar’s Jayanti.** |
| **WEEK 16** |
| **ASSIGNMENT:** |
| **WEEK 16,DAY1 ,DATE :16/04/2018(MONDAY)** |
| Write a program to implement bubble sort. |
| **WEEK 16,DAY 2 ,DATE :17/04/2018(TUESDAY)** |
| Write a program to implement bubble sort continues.. |
| **WEEK 16,DAY 3 ,DATE :18/04/2018(WEDNESDAY)** |
| **Holiday on account of Maharshi Pasuram Jayanti** |
| **WEEK 16,DAY 4 ,DATE :19/04/2018(THURSDAY)** |
| Write a program to implement bubble sort. |
| **WEEK 16,DAY 5 ,DATE :20/04/2018(FRIDAY)** |
| Write a program to implement bubble sort continues.. |
| **WEEK 16 ,DAY 6 ,DATE :21/04/2018(SATURDAY)** |
| Revision of programs |
| **WEEK 17** |
| **ASSIGNMENT:** |
| **WEEK 17,DAY1 ,DATE :23/04/2018(MONDAY)** |
| Revision of programs. |
| **WEEK 17,DAY 2 ,DATE :24/04/2018(TUESDAY)** |
| Revision of programs |
| **WEEK 17,DAY 3 ,DATE :25/04/2018(WEDNESDAY)** |
| Revision of programs |
| **WEEK 17,DAY 4 ,DATE :26/04/2018(THURSDAY)** |
| Revision of programs. |
| **WEEK 17,DAY 5 ,DATE :27/04/2018(FRIDAY)** |
| Revision of programs |
| **WEEK 17 ,DAY 6 ,DATE :28/04/2018(SATURDAY)** |
| Revision of programs |
| **WEEK 18** |
| **ASSIGNMENT:** |
| **WEEK 18,DAY1 ,DATE :30/04/2018(MONDAY)** |
| Revision of programs. |

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