Mathematics.
Section A, and Section B

Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor .Dr. Anita Gulia

Class B.Sc. II year (IV th sem) Subject. Programming in C and Numerical Methods)

Week	Date	Topic
1	01.01.18	**Winter vacation**
	02.01.18	**Winter vacation**
	03.01.18	**Winter vacation**
	04.01.18	**Winter vacation**
	05.01.18	**Winter vacation**
	06.01.18	Basic of computer Algorithims
	07.01.18	**Sunday**
2	08.01.18	Explain flow charts, some examples on flow charts,
	09.01.18	Explain Data types, Introduce to C
	10.01.18	Types of Data types.
	11.01.18	Discuss about the language C
	12.01.18	Test of Algorithim
	13.01.18	Revised the above topics.
	14.01.18	**Sunday**
3	15.01.18	Explain operation, Arithmetic operation
	16.01.18	Logical, Assignment operators, Relational operator
	17.01.18	Increment and Decrement operators, conditional
	18.01.18	special operators, Program of operaOperators
	19.01.18	Revision of operators
	20.01.18	Test.
	21.01.18	**Sunday**
4	22.01.18	**Basant Panchami**
	23.01.18	Explain Decision control structures
	24.01.18	Explain if statement, if else, else if, nest if
	25.01.18	Switch statement, goto statement.
	26.01.18	**Republic Day**
	27.01.18	Test
	28.01.18	**Sunday**
5	29.01.18	Explain Looping and while statement.
	30.01.18	The do-while statement, The for statement.
	31.01.18	**Guru Ravidas Jayanti**

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ..Dr. Anita Gulia.....

Class B.Sc. II year (IV th Sem.) Subject Maths (Programming in C and Numerical methods)

Week	Date	Topic
1	01.02.18	Explain Program of Looping.
	02.02.18	Discuss about the Program of Looping.
	03.02.18	Test of Looping.
	04.02.18	**Sunday**
2	05.02.18	Explain functions.
	06.02.18	Statement of functions.
	07.02.18	Revision
	08.02.18.	Test of functions.
	09.02.18	Discussion on test.
	10.02.18	**Maharshi Dayanand Saraswati Jayanti**
	11.02.18	**Sunday**
3	12.02.18	The C Preprocessor.
	13.02.18	**Maha Shivratri**
	14.02.18	Explain Arrays.
	15.02.18	Program on Arrays
	16.02.18	Revision on Arrays.
	17.02.18	Test on Arrays.
	18.02.18	**Sunday**
4	19.02.18	Explain Strings
	20.02.18	Program on String.
	21.02.18	Assignment on String.
	22.02.18	Revision on Arrays and String.
	23.02.18	Test on strings.
	24.02.18	Discussion on Test.
	25.02.18	**Sunday**
5	26.02.18	Explain pointers.
	27.02.18	Explain character Arrays.
	28.02.18	**MDU Holidays**

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ..Dr. Anita Gupta.....

Class B.Sc. IIyear (IV Sem) Subject Maths (Programming in C and Numerical Methods)

Week	Date	Topic
1	01.03.18	**MDU Holidays**
	02.03.18	**MDU Holidays**
	03.03.18	**MDU Holidays**
	04.03.18	**Sunday**
2	05.03.18	Introduction of files in C
	06.03.18	The Getw and Putw Functions
	07.03.18	Program on Functions.
	08.03.18	Assignment on Flowcharts and Algorithm.
	09.03.18	Test of files in C.
	10.03.18	Discussion on Test.
	11.03.18	**Sunday**
3	12.03.18	Explain Storage classes.
	13.03.18	Automatic varinbles.
	14.03.18	Program of automatic variables
	15.03.18	External Variables.
	16.03.18	Command Line Arguments
	17.03.18	Assignment.
	18.03.18	**Sunday**
4	19.03.18	Do Practical in Lab to generate n-prime numbers
	20.03.18	" " " " calculate compound Interest.
	21.03.18	" " " " to solved quadratic equations
	22.03.18	" " " " matching of two strings.
	23.03.18	**Shaheedi Diwas**
	24.03.18	" " " " to find GCD of two strings.
	25.03.18	**Sunday**
5	26.03.18	" " " to calculate the area and perimeter of circle.
	27.03.18	" " " " find transpose of a matrix.
	28.03.18	" " " Fibonacci terms using recursion.
	29.03.18	**Mahavir Jayanti**
	30.03.18	Full syllabus Test on C
	31.03.18	Discussion on Test.

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ..Dr. Anita Gulia.....

Class .B.Sc. IIyear (IV th sem) Subject. Maths (Programming in C and Numerical methods)

Week	Date	Topic
"	01.04.18	Sunday
1	02.04.18	Introduction on Numerical Method
	03.04.18	Bisection Method.
	04.04.18	Do Practical in Bisection Method.
"	05.04.18	Test on Bisection Method
	06.04.18	Do Regula - False Method
"	07.04.18	Test on Regula - false Method.
	08.04.18	Sunday
2	09.04.18	Newton Raphson method
	10.04.18	Do Practical on Newton - Raphson method.
"	11.04.18	Test on Newton Raphson method.
"	12.04.18	Discussion on Test
	13.04.18	Gauss Elimination method.
	14.04.18	Baisakhi / Ambedkar Jayanti
	15.04.18	Sunday
3	16.04.18	Do Practical on Gauss Elimination method.
"	17.04.18	Test and Discussion.
"	18.04.18	Parshuram Jayanti
	19.04.18	Explain Gauss Seidel method.
	20.04.18	Do Practical on Gauss Seidel method
	21.04.18	Test on Gauss Seidel method.
	22.04.18	Sunday
4	23.04.18	Explain Gauss - Jordan method
"	24.04.18	Do Practical on Gauss - Jordan method
	25.04.18	Test on Gauss - Jordan method.
	26.04.18	Explain Crouts method
	27.04.18	Do Practical on Crout's - method.
"	28.04.18	Test on Crout's method.
	29.04.18	Sunday
"	30.04.18	Full test on Numerical methods.

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Mathematics Section-A and Section-B

Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ..Dr. Anita Gulia.....

Class ...B.Sc.-Ist Year..... Subject. Mathematics (Ordinary Differential equation)

Week	Date	Topic Section-I
1	01.01.18	**Winter vacation**
"	02.01.18	**Winter vacation**
	03.01.18	**Winter vacation**
"	04.01.18	**Winter vacation**
	05.01.18	**Winter vacation**
	06.01.18	Definition of diff. equation, Question based on order & degree
	07.01.18	**Sunday**
" 2	08.01.18	Question based on formation of diff equation
	09.01.18	Geometrical meaning of a diff equation
"	10.01.18	Solution of an Exact diff equation
	11.01.18	Question based on order, degree of diff equation
	12.01.18	Formation of diff equation (Questions)
"	13.01.18	Question Formation of diff equation
	14.01.18	**Sunday**
3	15.01.18	Definition of Integrating factor, finding integrating factor.
	16.01.18	Rule-I :- for finding integrating factor and question based on it.
	17.01.18	Rule-II :- for finding integrating factor and question based on it.
	18.01.18	Rule-III :- " " " " " " "
"	19.01.18	Rule-IV :- " " " " " " "
	20.01.18	Rule-V :- " " " " " " "
"	21.01.18	**Sunday**
4	22.01.18	**Basant Panchami**
	23.01.18	Assignment of chapter-I
	24.01.18	Introduction of equation of first order but not of first degree.
"	25.01.18	Working rule for the equation solvable for P.
	26.01.18	**Republic Day**
"	27.01.18	Question based on the equation solvable for P
	28.01.18	**Sunday**
5	29.01.18	Working rule for equation solvable for Y
	30.01.18	Question based on the equation solvable for Y.
"	31.01.18	**Guru Ravidas Jayanti**

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

- Name of Associate Professor Dr. Anita Gulia
- Class B.Sc-1st Year (II Sem) Subject Maths (Ordinary diff. equations)

Week	Date	Topic
1	01.02.18	Working rule for equation solvable for x.
	02.02.18	Question based on the equation solvable for x.
	03.02.18	Solution of the equation of the type $y = x\phi(p) + f(p)$
"	04.02.18	**Sunday**
" 2	05.02.18	Question based on the equation of the type $y = px + \frac{f(p)}{\phi(p)}$
	06.02.18	Solution of the equation of the type $y = px + f(p)$
	07.02.18	Question based on the equation of the type $y = px + f(p)$
	08.02.18.	Solution of the equation reducible to clairault's form
	09.02.18	Question based on the equation reducible to clairault's form.
"	10.02.18	**Maharshi Dayanand Saraswati Jayanti**
"	11.02.18	**Sunday**
3	12.02.18	Assignments.
	13.02.18	**Maha Shivratri**
	14.02.18	Singular solution, p and c-discriminant.
"	15.02.18	Working rule for the singular solution.
"	16.02.18	Question based on singular solution, p and c-discriminant.
	17.02.18	Revision of half topics of Section-I.
	18.02.18	**Sunday**
4	19.02.18	Revision of all the topics of Section-I
Section II	20.02.18	Definition of trajectory, oblique trajectory.
"	21.02.18	Orthogonal trajectory and orthogonal trajectory in cartesian and polar co-ordinates
"	22.02.18	Repeat this topic (above topic)
	23.02.18	Question based on orthogonal trajectory
	24.02.18	Question based on orthogonal trajectory in cartesian & polar co-ordinates
	25.02.18	**Sunday**
5	26.02.18	Test of Section-I.
"	27.02.18	Discuss about the test.
"	28.02.18	**MDU Holidays**

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor .Dr. Anita Gulia.....

Class B.Sc-Ist (IInd Sem.).... Subject. Maths (Ordinary diff. equations)

Week	Date	Topic	
1	01.03.18	**MDU Holidays**	
	02.03.18	**MDU Holidays**	
	03.03.18	**MDU Holidays**	
	04.03.18	**Sunday**	
2	05.03.18	Defn. of linear diff equation with constant co-eff, D-operator	Solution for diff eqn with constant co-eff Particular integral, theorems.
	06.03.18	Defn. of auxiliary equation, complete solution	
	07.03.18	Inverse operator, complementary function,	
	08.03.18	Question based on the above three topics	
	09.03.18	Question based on the above three topics	
	10.03.18	Discussed about the Problems of students.	
	11.03.18	**Sunday**	
3	12.03.18	Evaluate $1/f(D)x^m$ and question based on it.	
	13.03.18	Evaluate $1/f(D)(xV)$ and question based on it.	
	14.03.18	Method to solve homogeneous linear equation	
	15.03.18	Method of solution of linear diff equation reducible to	homogeneous linear form.
	16.03.18	Question based on linear diff eqn reducible	form
	17.03.18	Question based on linear diff eqn reducible	homogeneous linear form
	18.03.18	**Sunday**	
4	19.03.18	Assignment of Section – II	
Section III	20.03.18	Solution of a linear diff equation of second	order by removing the Ist derivative and changing the dependent variable.
	21.03.18	Question based on above topic.	
	22.03.18	Solution of linear diff eq. of II-order by changing	independent variable.
	23.03.18	**Shaheedi Diwas**	
	24.03.18	Question based on above topic.	
	25.03.18	**Sunday**	
5	26.03.18	Linear diff eqn of II-order by the method	of variation of parameters.
	27.03.18	Linear diff eqn of II-order by the method	of ~~variation~~ undetermined co-efficient.
	28.03.18	Question based on above two topics.	
	29.03.18	**Mahavir Jayanti**	
	30.03.18	Assignment of section – III	
	31.03.18	Test of section – III	

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor .Dr. Anita Gulia

Class B.Sc-I year (II Sem.) Subject. Maths (ordinary diff. equations)

Week	Date	Topic
	01.04.18	**Sunday**
Section-IV 1	02.04.18	Introduction of ordinary simultaneous diff equation.
	03.04.18	Solution of simultaneous diff eqn involving operators: $x(d/dx)$ or $t(d/dt)$
	04.04.18	Question based on above topic.
	05.04.18	Solution of simultaneous diff eqn of the form $dx/P = dy/Q = dz/R$.
	06.04.18	Question based on above topic.
	07.04.18	Concept of Π - integral found with the help of Ist.
	08.04.18	**Sunday**
2	09.04.18	Question based on the topic (above).
	10.04.18	Introduction to total diff eqn and condition for exactness.
	11.04.18	method to solve total diff-eqn.
	12.04.18	Question based on it (total diff-eqn)
	13.04.18	Test of section - IV (half)
	14.04.18	**Baisakhi / Ambedkar Jayanti**
	15.04.18	**Sunday**
3	16.04.18	Solution when one variable is constant out of three variable in $Pdx+Qdy+Rdz=0$.
	17.04.18	Question based on the above topic
	18.04.18	**Parshuram Jayanti**
	19.04.18	Method of Solving homogeneous eqn
	20.04.18	Question based on homogeneous eqn.
	21.04.18	Method of auxiliary equation.
	22.04.18	**Sunday**
4	23.04.18	Question based on method of auxiliary equation
	24.04.18	Assignment :-
	25.04.18	Test of section - IV
	26.04.18	Discussion of Problems
	27.04.18	Discussion of Assignment on section - IV
	28.04.18	Class test of short answer type questions.
	29.04.18	**Sunday**
	30.04.18	Tutorial.

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