

## I – Academic Planner

### A. Teaching Plan (Year : August 2020 Semester: Odd )

Teacher's Name: Dr. Pawan Bala

Department: Mathematics

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1.	42357501	Differential Equations (B.Sc. (Prog.) Physical Sciences Vth Semester)	DSE	First Order Ordinary differential Equations, solvable for $x, y, p$ , Reduction of order	10 August, 2020	08 September,2020
				Higher Order Ordinary Differential Equations, Cauchy-Euler's equation	09 September,2020	15 October ,2020
				Partial Differential Equations, Charpit's Method, Canonical forms	16 October, 2020	27 November,2020
2.	32351501	Metric Spaces (B.Sc. (Hons.) Mathematics Vth Semeste )	Core	Metric spaces, sequences, Complete Metric spaces, Open and closed balls, Neighborhoods, limit point, Separable spaces	10 August, 2020	11 September,2020
				Continuous mappings, sequential Criteria, homeomorphism, Banach fixed Point theorem	12 September,2020	20 October ,2020
				Connectedness, connectedness and continuous mappings, compactness, boundedness	21 October, 2020	27 November,2020

### Teaching Plan (Year: January 2021 Semester: Even)

Teacher's Name: Dr. Pawan Bala

Department: Mathematics

S. No.	UPC	Paper Name	Core/AECC/GE/SEC	Topic/Unit	Start Date	End Date
1.	42357501	Differential Equations (B.Sc. Analytical Chemistry Vth Semester)	DSE	First Order Ordinary differential Equations, solvable for $x, y, p$ , Reduction of order	02 January, 2021	05 February, 2021
				Higher Order Ordinary Differential Equations, Cauchy-Euler's equation	06 February,2021	23 March,2021
				Partial Differential Equations, Charpit's Method, Canonical forms	31 March, 2021	29 April,2021
2.	32351601	Complex Analysis (B.Sc. (Hons.) Mathematics VIth Semester)	Core	Properties of Complex Numbers, Regions, functions of complex Variables, derivatives, Cauchy Riemann equations, limits,	02 January, 2021	03 February, 2021
				Contours, contour integral, antiderivatives, Cauchy integral formula, Liouville, theorem, Fundamental theorem of Algebra	04 February,2021	23 March,2021
				Convergence of sequences and series, Taylor and Laurent Series, power series, convergence of power series, Singular points, residues and poles	31 March, 2021	29 April,2021

**B. FDP/Seminar/Workshops/Lectures to be attended and/or to be conducted by Teachers**

<b>Event Topic</b>	
<b>Type / Nature (FDP/Webinar/Workshop etc.)</b>	
<b>Organizing In-charge</b>	

<b>Details regarding invited Resource Person</b>					
<b>Nature of Participation (e.g. Invited Speaker, Participant etc.)</b>					
<b>Date/s</b>		<b>Timing/s</b>		<b>Mode</b>	

**C. Internal Assessment: House Exam (Test/Presentation etc.) & Assignment\***

<b>Course Code</b>	<b>Course Name</b>	<b>Unique Paper Code</b>	<b>Topic Name</b>	<b>Day and Date</b>	<b>Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining</b>
563	B.Sc. (Hons.) Mathematics Vth Semester	32351501	Metric Spaces, Complete metric spaces, separable spaces, sequential criteria	02 November, 2020	19 November, 2020
582	B.Sc. (Prog.) Physical Sciences Vth Semester	42357501	Ordinary Differential Equations of first and higher order, Cauchy Euler equation	30 October, 2020	11 November, 2020

<b>Course Code</b>	<b>Course Name</b>	<b>Unique Paper Code</b>	<b>Topic Name</b>	<b>Day and Date</b>	<b>Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining</b>
585	B.Sc. Analytical Chemistry Vth Semester	42357501	Ordinary Differential Equations of first and higher order, Cauchy Euler equation	02 April, 2021	20 April, 2021
563	B.Sc. (Hons.) Mathematics VIth Semester	32351601	Complex Numbers, Limits, Analytic functions, Contour integration, Differentiation	01 April, 2021	15 April, 2021

**\*Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester**

**D. Organization of Department/College Society Meetings by Staff Advisor/Convener**

<b>Department/Society</b>	<b>Meeting Date</b>	<b>Purpose</b>
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**E. College Functions**

<b>College Function</b>	<b>Function Date</b>	<b>Role to be played</b>
01-02-2020	Founder's Day	