I – Academic Planner

A. Teaching Plan   (Year : August 2021   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	20 August' 2021	22 September' 2021
				Higher Order Ordinary Differential Equations, Cauchy-Euler's equation	23 September' 2021	09 October'2021
				Partial Differential Equations, Charpit's Method, Canonical forms	18 October'2021	15 November' 2021
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	20 August' 2021	22 September' 2021
				Continuous mappings, sequential Criteria, homeomorphism, Banach fixed Point theorem	23 September' 2021	09 October'2021
				Connectedness, connectedness and continuous mappings, compactness, boundedness	18 October'2021	15 November' 2021

Teaching Plan (Year: January 2022   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 VIth Semester)	DSE	First Order Ordinary differential Equations, solvable for x, y, p, Reduction of order	01 January' 2022	16 February' 2022
				Higher Order Ordinary Differential Equations, Cauchy-Euler's equation	17 February'2022	12 March' 2022
				Partial Differential Equations, Charpit's Method, Canonical forms	21 March'2022	27 April' 2022
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,	01 January' 2022	16 February' 2022
				Contours, contour integral, antiderivatives, Cauchy integral formula, Liouville, theorem, Fundamental theorem of Algebra	17 February'2022	12 March' 2022
				Convergence of sequences and series, Taylor and Laurent Series, power series, convergence of power series, Singular points, residues and poles	21 March'2022	27 April' 2022

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

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

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

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

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
563	B.Sc. (Hons.) Mathematics Vth Semester	32351501	Metric Spaces, Complete metric spaces, separable spaces, sequential criteria	15 October' 2021	1 December' 2021
582	B.Sc. (Prog.) Physical Sciences Vth Semester	42357501	Ordinary Differential Equations of first and higher order, Cauchy Euler equation	22 October'2021	11 November' 2021

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
585	B.Sc. Analytical Chemistry Vth Semester	42357501	Ordinary Differential Equations of first and higher order, Cauchy Euler equation	2 April' 2022	19 April' 2022
563	B.Sc. (Hons.) Mathematics VIth Semester	32351601	Complex Numbers, Limits, Analytic functions, Contour integration, Differentiation	23 March' 2022	01 April' 2022

*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

Department/Society	Meeting Date	Purpose

E. College Functions

College Function	Function Date	Role to be played
01-02-2020	Founder's Day	