Curriculum Plan (ODD SEM 2021): B.Sc.(H) Mathematics III Year (Semester V)

DSE-1(i): Numerical Analysis

Teacher Profile

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Marks Distribution	**Theory**	75 Marks
	Internal Assessment	25 Marks
		Assignments - 10 Marks
		Test - 10 Marks
		Attendance - 5 Marks
	Practical	50 Marks
Classes Assigned	**Lectures**	
	Practical	2 per week

Reference		Bradie, Brian. (2006). A Friendly Introduction to Numerical Analysis. Pearson Education, India. Dorling Kindersley (India) Pvt. Ltd. Third impression 2011.	
	Week	**Topics**	
	1st week (20-24 JULY)	Bisection method	
	2nd week (26-31 JULY)	Bisection method	
	3rd week (2-7 AUG)	Newton–Raphson method	
	4th week (9-14 AUG)	Newton–Raphson method	
	5th week (16-21 AUG)	Secant method	
	6th week (23-28 AUG)	Secant method	
	7th week (30 AUG- 4 SEP)	Regula–Falsi method	
	8th week (6-11 SEP)	Regula–Falsi method	
	9th week (13-18 SEP)	Lagrange interpolation	
	10th week. (20-25 SEP)	Lagrange interpolation	
	11th week (27 SEP-2 OCT)	Newton interpolation	
	12th week (4-9 OCT)	Newton interpolation	
	13th week (18-23 OCT)	Second order Runge–Kutta methods.	
	14th week (25-30 OCT)	Second order Runge–Kutta methods.	
1-15TH NOV (15TH and 16TH Week)- REVISION.			