



Amar Sewa Mandal's

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DEPARTMENT OF CIVIL ENGINEERING
BTECH 3rdSEMESTER
LEARNING MANAGEMENT SYSTEM (LMS)

S.N	NAME OF SUBJECT	CO'S	NOTES
1.	Mathematics – III (BTBS301)	<i>CO1:Apply the properties of Laplace Transform.</i>	UNIT 1
		<i>CO2:Solve the Inverse Laplace Transform by using partial fraction, convolution theorem.</i>	UNIT 2
		<i>CO3:Solve the Fourier transform using sine transform and cosine transform, Fourier integral formula.</i>	UNIT 3
		<i>CO4:Solve the partial differential equation by LaGrange's Method, Method of separation of variables.</i>	UNIT 4
		<i>CO5:Use Cauchy Riemann equation find analytic function; solve using Cauchy integral theorem and Cauchy residue theorem.</i>	UNIT 5
2.	Mechanics of Solids (BTCVES302)	<i>CO1: Perform the stress-strain analysis.</i>	UNIT 1
		<i>CO2:Draw force distribution diagrams for members and determinate beams.</i>	UNIT 2
		<i>CO3:Understand Stresses & torsion in beams</i>	UNIT 3
		<i>CO4:Understand concept of Columns and Struts</i>	UNIT 4
		<i>CO5:Understand combined Stresses & failure analysis</i>	UNIT 5
3.	Building Construction & Drawing (BTCVC303)	<i>CO1:Understand types of masonry structures.</i>	UNIT 1
		<i>CO2:Comprehend components of building and their purposes.</i>	UNIT 2
		<i>CO3:Draw plan, elevation and section of various structures.</i>	UNIT 3
		<i>CO4:Apply the principles of planning and by laws used for building planning.</i>	UNIT 4
		<i>CO5:Prepare detailed working drawing for doors and windows.</i>	UNIT 5
4.	Hydraulics -I (BTCVC304)	<i>CO1:Determine the properties of fluid and pressure and their measurement.</i>	UNIT 1
		<i>CO2:Calibrate the various flow measuring devices and discuss different equation.</i>	UNIT 2
		<i>CO3:Understand fundamentals of pipe flow.</i>	UNIT 3
		<i>CO4:Visualize fluid flow phenomena observed in Civil Engineering systems.</i>	UNIT 4
		<i>CO5:Determine the losses in pipe and analysis of pipe network.</i>	UNIT 5
5.	Surveying (BTCVC305)	<i>CO1: Perform measurements in linear/angular methods.</i>	UNIT 1
		<i>CO2: Measure length and bearing of lines using various instruments and calculate area of given field by plane table surveying in general terrain</i>	UNIT 2
		<i>CO3: Know the basics of levelling and Theodolite survey in elevation and angular measurements</i>	UNIT 3
		<i>CO4: Use the theodolite to measure angle and distances for traversing also identify and correct the errors in traverse.</i>	UNIT 4
		<i>CO5: To carry out levelling and contouring also able to determine volume of earthwork</i>	UNIT 5