

BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

SIVARAM VIHAR, GHATAKESWAR HILLS
MOHADA, BERHAMPUR (GM.)



STUDENT'S ATTENDANCE REGISTER

Time	9.05	10.45	11.35	1.05	
Day	9.55	11.35	12.25	1.55	
Mon		math-1	math-1		
Tue					
Wed					
Thu	math-1			math-1	
Fri		math-1	math-1		
Sat					

Year/ Session : 2023 (winter)	Semester from Date: 16.8.23 To Date : 11.12.23
Semester & Branch	2 nd semester (sec-E)
Subject with Code	Engineering math-1
Name of the Faculty Member	Sibun Jena
No of Weeks:	No of Days per Week Class Allotted : 5

B.I.E.T., COURSE PLAN

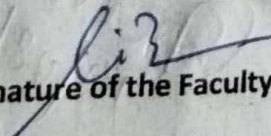
Month	Week	Class Day	Theory/Practical Topic
Aug	1st	17/08/23	<u>matrices and Determinants</u> a) Types of matrices → Tutorial by Algebra of matrices.
		17/08/23	
	2nd	21/08/23	c) Determinant → Tutorial d) properties of determinant.
		21/08/23	
	3rd	24/08/23	e) Inverse of a matrix (second and third order) (Questions should be as second order) → Tutorial.
		25/08/23	
		25/08/23	
		28/08/23	
	4th	31/08/23	(f) Cramer's rule (Questions should be as 2 variables) → Tutorial. (g) Solution of simultaneous equations by matrix inverse method. (Questions should be as 2 variables)
		31/08/23	
		1/09/23	
		1/09/23	
		4/09/23	
		7/09/23	

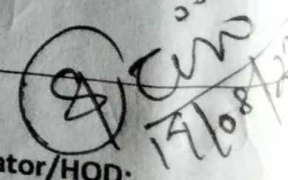
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 Signature of the Principal/Course Co-ordinator/HOD: 14/08/23

Signature of the Faculty: li3

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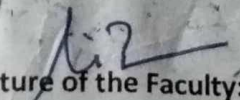
Month	Week	Class Day	Theory/Practical Topic
Sept.	6th	11/09/23	<u>Trigonometry</u> (a) Trigonometrical ratios. → Tutorial.
		11/09/23	
		14/09/23	
		14/09/23	
	6th	15/09/23	(b) Compound angles, multiple and sub multiple angles (only formulae) → Tutorial.
		15/09/23	
		18/09/23	
		18/09/23	
	7th	21/09/23	(c) Define Inverse Circular functions and its properties (No. Derivation) → Tutorial.
		21/09/23	
		22/09/23	
		22/09/23	
	8th	25/09/23	(c) Define Inverse Circular functions and its properties. → Tutorial.
		25/09/23	
28/09/23			
28/09/23			
Oct.	8th	5/10/23	→ Tutorial.
		6/10/23	

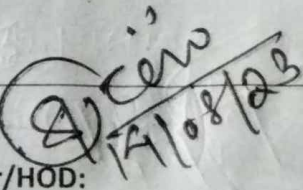
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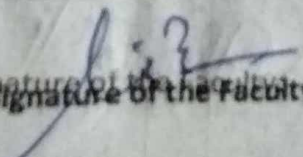
Month	Week	Class Day	Theory/Practical Topic
Oct. October	8th	6/10/23	<u>Co-ordinate Geometry in two D</u> (a) Introduction of geometry in two dimensions
		9/10/23	(b) Distance formula, division formula, area of a triangle only formula, no derivation)
		09/10/23	
		12/10/23	
	9th	12/10/23	→ Tutorial
		13/10/23	(c) Define slope of a line, angle between two lines (only formula)
	10th	13/10/23	condition of perpendicularity and parallelism.
		16/10/23	(d) Different forms of straight lines (only formula)
		16/10/23	(i) one point form (ii) two point form
		19/10/23	(iii) slope form (iv) perpendicular a line (v) intercept form.
		19/10/23	→ Tutorial

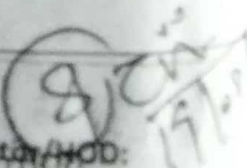
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B.I.E.T. COURSE PLAN

Month	Week	Class Day	Theory/Practical/Topic
Oct ↓ ↑ Nov. ↑ ↓		30/10/23	(e) Equation of a line passing through a point and
		30/10/23	(i) parallel to a line (ii) perpendicular to a line
		2/11/23	(f) Equation of a line passing through the intersection of two lines.
		2/11/23	- Tutorial -
		3/11/23	(g) Distance of a point from a line.

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Month	Week	Class Day	Theory/Practical Topic
Nov	12 th	3/11/23	(4) <u>Circle</u> (a) Equation of a circle.
	↑	6/11/23	
		6/11/23	
		9/11/23	
	13 th	9/11/23	(i) center radius form. (ii) general equation of a circle (iii) end point of diameter form.
	↑	10/11/23	
		10/11/23	
		13/11/23	
	14 th	13/11/23	(5) <u>Co-ordinate geometry in three dimensions</u>
	↑	16/11/23	
		16/11/23	
	15 th	16/11/23	(a) Distance formulae, section formulae, direction ratio, direction cosine, angle between two lines. (condition of parallelism and perpendicularity)
	↑	17/11/23	
		15 th	17/11/23
	↑	20/11/23	
20/11/23			
15 th	23/11/23		

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 10/08/23

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Month	Week	Class Day	Theory/Practical Topic
NOV. Nov.	↑ 15th	23/11/23 24/11/23	through a point and → Tutorial
	↓ 16th	24/11/23	
	↑	27/11/23	(i) parallel to a plane.
	↓	27/11/23	
	↑	30/11/23	
	↓	30/11/23	→ Tutorial
	↑	1/12/23	(ii) perpendicular to a plane.
	↓	1/12/23	
	↑	4/12/23	
	Dec. Dec.	↑	
↓			
↑		4/12/23	(a) Equation of a sphere
↓		7/12/23	(i) center radius form.
↑		8/12/23	(ii) general form.
↓		8/12/23	
↑		11/12/23	(iii) Two end points of a diameter form
↓		11/12/23	

(only formulae and problems)

Seen *[Signature]* 14.8.23.

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