

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER
Session-2022-2023

Discipline: Mechanical Engg.

Semester: 5th

Subject: DCME (Sec-B)

Name of the Teaching Faculty: S. P. Rath

Subject: DGME No. of Days/per week class allotted 04

Semester From Date: 15/09/2022 To Date: 21/01/2022 No. of Weeks: 05

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (In brief)	Signature of Teacher
15.09.22	Machine design	Introduction	Introduction	<u>Sruth</u>
19.09.22	m/c design	classification	classification	<u>Sruth</u>
20.9.22	m/c design	Discuss about factors covering	factors covering	<u>Sruth</u>
21.09.22	Mechanical Engg. material	Introduction	introduction	<u>Sruth</u>
22.9.22	"	Properties of materials	Properties of materials	<u>Sruth</u>
26.09.22	Stress in m/c parts	Diff. types	Diff. types	<u>Sruth</u>
27.09.22	Factor Safety	Discuss	Stress-strength Curve	<u>Sruth</u>
28.9.22	"	Diff. modes of failure	Diff. Modes of failure	<u>Sruth</u>
29.09.22	Stress convention and method	Discuss	Discuss	<u>Sruth</u>
10.10.22	Variable stresses	Problem Solved	Problem Solved	<u>Sruth</u>
11.10.22	machine design	Describe general procedure	procedures.	<u>Sruth</u>

Subject: DGME No. of Days/per week class allotted 04

Semester From Date: 15/09/22 To Date: 21/01/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
12.10.22	Machine design	Previous years question solved	Previous years question solved	<u>Srith</u>
13.10.22	Joints and their classification	Introduction	Introduction	<u>Srith</u>
17.10.22	Welded Joints	Discuss	Its classification	<u>Srith</u>
18.10.22	Welded Joints	Adv. and disadv.	Adv. and Disadv.	<u>Srith</u>
19.10.22	Welded Joints	For axially loaded unsymmetrical	Axially loaded unsymmetrical	<u>Srith</u>
20.10.22	"	Eccentrically loaded	Eccentrically loaded	<u>Srith</u>
26.10.22	Class test	Class test	Class test.	<u>Srith</u>
27.10.22	Rivet Joint	Introduction	classification	<u>Srith</u>
31.10.22	Rivet Joint	mode of failure	mode of failure	<u>Srith</u>
1.11.22	"	Determine Strength and efficiency	Strength and efficiency	<u>Srith</u>
2.11.22	Design of longitudinal and circumferential	Joint for a boiler	Discussed	<u>Srith</u>

subject: DGME No. of Days/per week class allotted 04

Semester From Date: 15/9/22 To Date: 21/1/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
3.11.22	Reveted Joints	For Pressure Vessels	Discussed	<u>Smith</u>
9.11.22	Class test	Class test	Class test	<u>Smith</u>
10.11.22	Shaft, material used and fun ⁿ	Introduction	Introduction	<u>Smith</u>
14.11.22	Solid and Hollow Shaft	Described	Described	<u>Smith</u>
15.11.22	Shaft on basic	Discussed Shear Stress	Shear Stress.	<u>Smith</u>
17.11.22	Shaft on basic	Combined bending and twisting	Discussed	<u>Smith</u>
21.11.22	"	Rigidity	Rigidity	<u>Smith</u>
22.11.22	Standard Sign	Shaft as per I. S.	Shaft as per I. S.	<u>Smith</u>
23.11.22	Key	Its function	Its function.	<u>Smith</u>
24.11.22	Failure of Key	Their effect of Key way	Discussed	<u>Smith</u>
28.11.22	Rectangular Shaft Key	Their failure	Discussed	<u>Smith</u>

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Semester From Date: 15/9/22 To Date: 21/1/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
29.11.22	Rectangular Sunk Key	Uses	Uses	<u>Smith</u>
30.11.22	Parallel Key	Specifications as per I.S.	Specification	<u>Smith</u>
1.12.22	Class test	Class test	Class test	<u>Smith</u>
5.12.22	Design of Shaft Coupling	Introduction	Introduction	<u>Smith</u>
6.12.22	Requirements of a good Shaft Coupling	Discussed	Discussed	<u>Smith</u>
7.12.22	Shaft Coupling	Types	Discussed Types	<u>Smith</u>
8.12.22	Sleeve and muff. Coupling	Introduction	Introduction	<u>Smith</u>
12.12.22	Clamp and Compression Coupling	Describe	Describe	<u>Smith</u>
13.12.22	Flange Coupling	Introduction	Introduction	<u>Smith</u>
14.12.22	Class test	Class test	Class test	<u>Smith</u>
15.12.22	Designing clamp	Discussed	Discussed	<u>Smith</u>

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Semester From Date: 15/9/22 To Date: 21/1/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
19.12.22	Designing Flange coupling	Problem Solved	Problem Solved	<u>Srsth</u>
20.12.22	Flexible coupling	Introduction	Introduction	<u>Srsth</u>
21.12.22	Class test	Class test	Class test	<u>Srsth</u>
22.12.22	Spring	Introduction	Introduction	<u>Srsth</u>
2.1.23	"	classification	classification	<u>Srsth</u>
3.1.23	Helical Spring	material used	Material used	<u>Srsth</u>
4.1.23	Spring wire	standard sign	standard sign	<u>Srsth</u>
5.1.23	Composition Springs	Term used	Term used	<u>Srsth</u>
9.1.23	Helical Spring of circular wire	Discussed	Discussed	<u>Srsth</u>
11.1.23	"	defination	Defination	<u>Srsth</u>
12.1.23	Electric load and bulking	Composition of spring	Composition of spring	<u>Srsth</u>

