MM (Matt) 6

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH

PROGRESS REGISTER

Session-2021-2022

Discipline: Metallurgical Engg. Semester: 6th

Name of the Teaching Faculty: Soumya Prakash Rath

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

Semester From Date : 10/03/2022 To Date : 30/06/2022 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
10.3.22	Mechanical metallurgy	Introduction	Introduction	Smith
11.3.22	"	Dislocation	Dislocation	Smith
12.3.22	Dislocation	Types	Types	Smith
16.03.22	Mechanical metallurgy	Basic behavior of	Basic behavior	Smith
17.3.22	Deformation	Role	Role.	Smith
23.3.22	Dislocation	in various crystals	In various crystals	Smith
24.3.22	"	various Source	various Source	Smith
25.3.22	Twining and deformation	Define	Define	Smith
26.3.22	Slip and deformation	Define	Define	Smith
30.3.22	Elastic behaviar of metals	Explain	Explain	Smith
31.3.22	plastic behavior of metals	Explain	Explain	Smith

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
2.4.22	Yielding Criteria	Explain	Explain	Smith
6.4.22	Critically resolved shear stress	Critically resolved shear stress	Critically resolved shear stress	Smith
7.4.22	class test	class test	class test	Smith
8.4.22	Strengthening mechanism	Explain	Explain	Smith
9.4.22	"	Role of grain boundary	Role of grain boundary	Smith
13.4.22	Hall pitch equation	Define	Define	Smith
16.4.22	Yield point phenomenon	Described	Described	Smith
20.4.22	Strain-aging	Explain	Explain	Smith
21.4.22	Solid sol strengthening from fine particle	Explain	Explain	Smith
22.4.22	fiber Strengthening	Describe	Describe	Smith
23.4.22	martensitic Strengthening	Describe	Describe	Smith

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27.4.22	Strain hardening	Explain	Explain	Smith
28.4.22	Bauschinger's effect	Describe	Describe	Smith
29.4.22	Metal working	fundamental	fundamental	Smith
30.4.22	"	Diff. types	Diff. types	Smith
4.5.22	Hot working and Cold working	Explain	Explain	Smith
5.5.22	Alloys	Advantages	Advantages	Smith
6.5.22	Hot working and Cold working	Advantage and disadvantage	Advantage and disadvantage	Smith
7.5.22	Class test	Class test	Class test	Smith
11.5.22	Recovery	Explain	Explain	Smith
12.5.22	Recrystalization	explain	Explain	Smith
13.5.22	Grain growth	Explain	Explain	Smith

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14.5.22	Rolling principles	Explain	Explain.	Smith
18.5.22	Hot rolling and Cold rolling	Comparision	Comparision	Smith
19.5.22	Roll pass and open pass.	Explain	Explain	Smith
20.5.22	Types of box pass	Explain	Explain	Smith
21.5.22	Rolling defects	Describe	Describe	Smith
25.5.22	"	Their Control	Their Control	Smith
26.5.22	Forging process	Explain types	Explain types.	Smith
1.6.22	Properties of forged products	Describe	Describe	Smith
2.6.22	Defects of forged products	Explain	Explain.	Smith
3.6.22	Forged products	controls	Their controls	Smith
4.6.22	class test	class test	class test	Smith

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8.6.22	Elementary principle of extrusion	introduction	introduction	Smith
9.6.22	Defects in extruded product	classification	classification	Smith
10.6.22	Defect of Extruded product	Describe	Describe	Smith
11.6.22	Manufacturing of seamless pipes	Describe	Describe	Smith
14.6.22	Claw test	Claw test	Claw test	Smith
16.6.22	wire drawing	Description	Description	Smith
17.6.22	Principle of wire drawing	Explain	Explain	Smith
18.6.22	Defects of wire drawing	Defects of wire drawing	Defects of wire drawing	Smith
22.6.22	Doubt class	Doubt class	Doubt class.	Smith
23.6.22	forming metal method	forming metal method	forming metal method	Smith
24.6.22	Concept of deep drawing	concept of deep drawing	Concept of deep drawing	Smith

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25.6.22	Sheet metal forming	Sheet metal forming	Sheet metal forming.	
27.6.22	Bending Shearing blanking	Bending Shearing Blemking	Bending Shearing blanking	
29.6.22	Class test	Class. test	Class test	
30.6.22	Doubt class	Doubt class	Doubt class.	