

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER
Session-2022-2023

Discipline: Metallurgical Engg.

Semester: 4th Subject: MT

Name of the Teaching Faculty: S. S. Bhoi

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

Semester From Date: 14/2/2023 To Date: 23/5/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
15/2/23	Introduction to Hardness Test	same	Hardness Test	SN
16/02/23	Breinnell Hardness Test	same	Breinnell Hardness Test	SN
20/2/23	Vickers Hardness Test	same	VHT	SN
22/2/23	Rockwell Hardness Test	same	RHT	SN
23/2/23	Rebound Hardness	same	Rebound Hardness	SN
25/2/23	Shore's Scleroscope	same	Shore's Scleroscope	SN
27/02/23	Scratch Hardness	same	Scratch Hardness	SN
1/3/23	Mho's scale	same	Mho's scale	SN
2/3/23	Imperial Relation ship of hardness with strength	same	Relation bet ^g same hardness & strength	SN
4/3/23	Overall chapter disoussion	same	same	SN
6/3/23	Introduction to Tensile Test	same	Tensile Test	SN

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

Semester From Date : 14/02/2023 To Date : 23/5/2023 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
8/3/23	Draw stress strain curve	same	same	Coy
9/3/23	Explain stress strain curve	same	same	Coy
11/3/23	Modulus of elasticity	same	same	Coy
13/3/23	Proof stress	same	same	Coy
15/3/23	Yield point phenomenon	same	same	Coy
18/3/23	True stress	same	same	Coy
20/3/23	True strain curve	same	same	Coy
22/3/23	Ductility	same	same	Coy
23/3/23	Toughness	same	same	Coy
25/3/23	Introduction to impact test	same	same	Coy
27/3/23	Define impact strength	same	Defination.	Coy

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

Semester From Date : 14/02/2023 To Date : 23/5/2023 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
29/3/23	Charpy Test	same	same	CS
3/4/23	Izod Impact test	same	same	CS
5/4/23	Discuss about transition temperature and ductility	same	same	CS
6/4/23	Brittle Fracture	same	same	CS
9/4/23	Introduction to Fatigue test	same	same	CS
11/4/23	Explain different stress cycle	same	Explanation	CS
13/4/23	Describe S.N curve	same	Description of S.N curve	CS
15/4/23	Endurance limit	same	same	CS
16/4/23	Explain the procedure of fatigue testing	same	same	CS
18/4/23	Fatigue testing machine	same	same	CS
20/4/23	Diff metallurgical factors that effect fatigue behaviour	same	same	CS

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

Semester From Date : 14/02/2023 To Date : 23/05/2023 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
22/4/23	Overall chapter discussion	same	same	CS
25/4/23	Introduction to creep test	same	same	CS
27/4/23	Creep and its importance	same	same	CS
29/4/23	Discuss temp. creep curve	same	same	CS
1/5/23	Explain equilibrium temp.	same	same	CS
3/5/23	Describe creep testing machine	same	same	CS
4/5/23	Stress rupture test	same	same	CS
6/5/23	Introduction to non destructive testing	same	same	CS
8/5/23	Scope of NDT	same	same	CS
10/5/23	Elementary idea about diff NDT	same	same	CS
11/5/23	Significance of NDT	same	same	CS

Subject: MT No. of Days/per week class allotted 04Semester From Date : 14/02/2023 To Date : 23/05/2023 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (In brief)	Signature of Teacher
13/5/23	Visual Testing	same	same	CV
20/5/23	Leakage Testing	same	same	CV
22/5/23	Magnetic particle Testing	same	same	CV
23/5/23	Dye penetration testing	same	same	CV
24/5/23	Acoustic methods	same	same	CV
24/5/23	Ultrasonic testing	same	same	CV
24/5/23	Eddy current test	same	same	CV
25/5/23	X-ray diffraction	same	same	CV
25/5/23	Doubt clearance	same	same	CV
26/5/23	Overall chapter discussion	same	same	CV
26/5/23	Temperature measurement	same	same	CV

