

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER Session-2022-2023

Discipline: Metallurgical Engg.

Semester: 3rd

Subject: FR

Name of the Teaching Faculty: DKM

Subject: FR No. of Days/per week class allotted 4Semester 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
19/9	Def ⁿ of fuel	Def ⁿ of fuel	Def ⁿ of fuel	Ar
20	Types of fuel	Types of fuel	Types of fuel	Ar
21	Importance of fuels	Importance of fuels	Importance of fuels (solid, liquid, gas)	Ar
24	Resources of fuels in India	Resources of fuel in India	Resources of fuels in India	Ar
26	Origin of fuel (coal)	Origin of fuel (coal)	Origin of fuel/coal	Ar
27	Composit ⁿ of coal	Composit ⁿ of fuel	Composit ⁿ of fuel	Ar
28	Constit ⁿ ts of coal	Constit ⁿ ts of coal	Constit ⁿ ts of coal	Ar
1/10	Proximate & Ultimate analysis	Proximate & Ultimate analysis	Proximate & Ultimate analysis	Ar
10	C.V. of coal	C.V. of coal	C.V. of coal	Ar
11	Swelling Index	Swelling Index	Swelling Index	Ar
12	Metallurgical coal	Met ⁿ . Coal	met ⁿ . coal	Ar

Subject: FR No. of Days/per week class allotted 4

Semester From Date: 15/9/22 To Date: 2/11/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
15/10	Carbonizat ⁿ of Coal	Carbonizat ⁿ of Coal	Carbonizat ⁿ of Coal	Dr
17	Carbonizat ⁿ of Coal	Carbonizat ⁿ of Coal	Carbonizat ⁿ of Coal	Dr
18	HTC & LTC	HTC & LTC	HTC & LTC	Dr
19	HTC & LTC	HTC & LTC	HTC & LTC	Dr
22	Tests for Coke	Tests for Coke	Tests for Coke	Dr
26	Origin of Petroleum	Origin of Petroleum	Origin of Petroleum	Dr
29	Constituents of Petroleum	Constituents of Petroleum	Constituents of Petroleum	Dr
31	Constituents of Petroleum	Constituents of Petroleum	Constituents of Petroleum	Dr
1/11	Petroleum Product	Petroleum Product	Petroleum Product	Dr
2	Crude petroleum	Crude Petroleum	Crude petroleum	Dr
5	Coal tar	Coal tar	Coal tar	Dr

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Semester From Date : 15/9/22 To Date : 2/11/23 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
6	Sp-gravity, Cloud pt.	Sp-gravity cloud pt.	Sp-gravity cloud pt.	Dr
7	Parr pt., a line Pt. etc.	Parr pt., a line pt. etc.	Parr pt., a line pt. etc.	Dr
9	sp-gravity viscosity	Sp-gravity viscosity	Sp-gravity viscosity	Dr
11	Flash pt, Parr pt. etc.	Flash pt, Parr pt. etc.	Flash pt, Parr pt. etc.	Dr
12	Prod ⁿ of methane water gas	Prod ⁿ of methane water gas	Prod ⁿ of methane water gas	Dr
13	Use of water gas methane	Use of water gas methane	Use of water gas methane	Dr
14	Producer gas	Producer gas	Producer gas	Dr
15	Carburized water gas	Carburized water gas	Carburized water gas	Dr
19	Coke oven gas	Coke oven gas	Coke oven gas	Dr
21	B/F gas	B/F gas	B/F gas	Dr
22	B/F gas uses	B/F gas uses	B/F gas uses	Dr

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
23	Prod ⁿ of natural gas	Prod ⁿ of natural gas	Prod ⁿ of natural gas	An
26	Natural gas	Natural gas	natural gas	An
28	Mixed gas	Mixed gas	Mixed gas	An
29	Introduct ⁿ to Combustion	Introduct ⁿ to Combustion	Introduct ⁿ to Combustion	An
30	Principle of Comb ⁿ	Principle of Comb ⁿ	Principle of Comb ⁿ	An
3/12	Hess's law	Hess's law	Hess's law	An
5	Const. heat summation	Const. heat summation	Const. heat summation	An
6	Kirchoff's law	Kirchoff's law	Kirchoff's law	An
7	Explanat ⁿ of Kirchoff's law	Explanat ⁿ of Kirchoff's law	Explanat ⁿ of Kirchoff's law	An
10	Problems	Problems	Problems	An
12	Problems	Problems	Problems	An

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (In brief)	Signature of Teacher
13	Define refractories	Define refractories	Define refractories	Dr
14	Classify refractories	Classify refractories	Classify refractories	Dr
17	Refractories properties	Refractories properties	Refractories properties	Dr
19	Silica Fireclay	Silica Fireclay	Silica Fireclay	Dr
20	Chromite magnesite	Chromite magnesite	Chromite magnesite	Dr
21	Graphite Carbon bricks	Graphite Carbon bricks	Graphite Carbon bricks	Dr
24	Special refractories	Special refractories	Special refractories	Dr
26	High alumina SIC	High alumina SIC	High alumina SIC	Dr
27	Zirconia	Zirconia	Zirconia	Dr
28	Refractories for B/F, LD	Refractories for B/F, LD	Refractories for B/F, LD	Dr
31	Open hearth, Arc furnace	Open hearth Arc furnace	Open hearth Arc furnace	Dr

