

SESSIONAL DETAILS

RJE Batch RJE/2026-01 No. Of Trainees = 56

Class Time Table (up to 28 FEB 2026)

Days/Period	I (09:40- 10:40)	II (10:40- 11:40)		III (11:55 - 12:45)	IV (12:45- 13:30)		V (14:30- 15:45)		VI (16:00- 17:00)
Monday	ADS	ANS	<u>Tea Break</u>	NCJ	AY	<u>Lunch</u> 13:30	MK	<u>Tea Break</u>	श्रमदान /योग
Tuesday	AM	RCS	11:40	MK	AH	to 14:30	AK	15:45 to	Lab/Library
Wednesday	AH	NCJ	to	ADS	AK		ANS	16:00	MK
Thursday	RCS	AK		MK	AY		ALS		AM
Friday	AY	ADS		RCS	ALS		NCJ		AH
Saturday	AK	ALS		AM	ADS				

NCJ- Sh. Naveen Chand Jaiswal

ADS- Sh. Adarsh Soni

RCS- Sh. Ratnesh Chandra Srivastava

MK- Sh. Manish Kumar

AH- Sh. Adnan Husain

AY- Sh. Anuj Yadav

ALS- Sh. Alok Srivastava

AM- Sh. Arvind Maurya

ANS- Sh. Anurag Singh

AK- Sh. Anurag Kushwaha

Sr.Lecturer & Course Co Ordinator/STC/CB

Encl: Module & Subject details.

MODULE - MJP C

Name of the Post /Category	Junior Engineer
Stream	C&W
Mode of Appointment	Promotion Through seniority
Min. Qualification	---
Total Duration of Training Period	13 weeks

Session	Type	Subject	Subject code	Duration in days	Activity Centre
I	THEO	Computer Awareness	MRT-14	06	STC
		Industrial Safety, First aid & Fire Fighting	MRT-16	03	
		Accident and Disaster Management	MRT-17	02	
		Supervisory Skills	MRT-18	03	
		Technical English	MRT-19	03	
		Manufacturing Processes (MP)	MET-12	04	
		Industrial Engineering	MET-13	01	
		Engineering Drawing (ED)	MET-14	02	
		Sub Total (Theory)		24	
II	THEO	Stream Specific Theory	MCT-03 MCT-04	24	STC
	PRACT	C&W POH Workshop/Production Unit		06	Respective Places
		Practical training C & W depot		06	
		On Job training		12	
		Total		24	
III		Refreshing/Examination/Viva		06	
Grand total				78	

EXAMINATION PATTERN

Session	Type	Paper	C&W		Total
			Subjects	Marks*	
I	THEO	I	MRT-14	30	150
			MRT-16	30	
			MRT-17	30	
			MRT-18	30	
			MRT-19	30	
		II	MET-12	75	150
			MET-13	25	
			MET-14	50	
TOTAL					300
II & III	THEO	I	MCT-03 & 04	100	100
	Pract Posting	II		50	50
		III		50	50
TOTAL					200
GRAND TOTAL					500

MODULE - MJP D

Name of the Post /Category	Junior Engineer
Stream	Diesel
Mode of Appointment	Promotion Through seniority
Min. Qualification	----
Total Duration of Training Period	13 weeks

Session	Type	Subject	Subject code	Duration in days	Activity Centre
I	THEO	Computer Awareness	MRT-14	06	STC
		Industrial Safety, First aid & Fire Fighting	MRT-16	03	
		Accident and Disaster Management	MRT-17	02	
		Supervisory Skills	MRT-18	03	
		Technical English	MRT-19	03	
		Manufacturing Processes (MP)	MET-12	04	
		Industrial Engineering	MET-13	01	
		Engineering Drawing (ED)	MET-14	02	
		Sub Total (Theory)		24	
II	THEO	Stream Specific Theory	MDT-05 M/E	24	STC
	PRACT	Diesel Loco POH Workshop		06	Respective Places
		Practical training Diesel Shed		06	
		On Job training		12	
		Total		24	
III		Refreshing/Examination/Viva		06	
Grand total				78	

EXAMINATION PATTERN

DIESEL			
Paper	Subjects	Marks*	Total
I	MRT-14	30	150
	MRT-16	30	
	MRT-17	30	
	MRT-18	30	
	MRT-19	30	
II	MET-12	75	150
	MET-13	25	
	MET-14	50	
	TOTAL		300
I	MDT-05 M/E	100	100
II		50	50
III		50	50
	TOTAL		200
GRAND TOTAL			500

MODULE - MJP W

Name of the Post /Category	Junior Engineer
Stream	Workshop
Mode of Appointment	Promotion Through seniority
Min. Qualification	----
Total Duration of Training Period	13 weeks

Session	Type	Subject	Subject code	Duration in days	Activity Centre
I	THEO	Computer Awareness	MRT-14	06	STC
		Industrial Safety, First aid & Fire Fighting	MRT-16	03	
		Accident and Disaster Management	MRT-17	02	
		Supervisory Skills	MRT-18	03	
		Technical English	MRT-19	03	
		Manufacturing Processes (MP)	MET-12	04	
		Industrial Engineering	MET-13	01	
		Engineering Drawing (ED)	MET-14	02	
		Sub Total (Theory)		24	
II	THEO	Stream Specific Theory	MWT-05	24	STC
	PRACT	Diesel loco POH Work shop		06	Respective Places
		C&W POH Workshop/Production Unit		06	
		On Job training		12	
		Total		24	
III		Refreshing/Examination/Viva		06	
Grand total				78	

Examination Pattern

WORKSHOP			
Paper	Subjects	Marks*	Total
I	MRT-14	30	150
	MRT-16	30	
	MRT-17	30	
	MRT-18	30	
	MRT-19	30	
II	MET-12	75	150
	MET-13	25	
	MET-14	50	
TOTAL			300
I	MWT-05	100	100
II		50	50
III		50	50
TOTAL			200
GRAND TOTAL			500

SUBJECT NAME	COMPUTER AWARENESS
SUBJECT CODE	MRT-14
MODULE	MJI, MJP

SL NO.	TOPIC	TIME IN HRS	
1	Introduction to Computers and Application of Computers/Windows, CMM, FMM	06	AY
2	MS Word	09	
3	MS Excel	09	
4	MS Power Point	06	
5	Internet usage	03	
6	Review	03	
	Total	36	

SUBJECT NAME	INDUSTRIAL SAFETY, FIRST AID & FIRE FIGHTING
SUBJECT CODE	MRT - 16
MODULE	MJP- C, D & W
DURATION	3 Days

SL NO.	TOPIC	
1	Causes of fire; Identification of unsafe conditions and unsafe acts	N.C.J
2	Identifying and handling of various types of fire extinguishers	
3	Precautions to be taken while extinguishing fire	
4	Render first aid to the burn injuries; Render first aid to persons affected by suffocation; Communication	
5	Scope and Rules of first Aid; Structure and function of body	
6	General idea about circulation of blood; Wound & Hemorrhages; Dressing & Bandages	
7	Shock & its management; Asphyxia & Artificial respiration	
8	Injuries to bones & joints - fractures; Unconsciousness and General rules for the treatments of unconsciousness person	ANS
9	Practical demonstration of Transport of injured persons, stretcher exercises, preparing and blanketing stretcher	
10	Principles of Accident, Causation & Its Prevention, Unsafe Acts & Unsafe Conditions	
11	House Keeping & Material Handling, 5S	
12	Safety on Small Tools and Electrical Appliances	
13	Use of PPE	
14	Role of Supervisors on Safety, Accident Reporting & Investigations	
15	Review	

SUBJECT NAME	ACCIDENT & DISASTER MANAGEMENT
SUBJECT CODE	MRT - 17
MODULE	MJP- C, D & W
DURATION	2 Days

SL NO.	TOPIC	
1	Definition of Disaster, Types of Accidents, Accident Manual, Rail wheel interaction	MK
2	Permanent way parameters, Readings in permanent way	
3	Rolling stock parameters, Readings in rolling stock	
4	Signal aspects to be recorded at the accident site	
5	Recording of track, Rolling Stock	
6	Role of supervisors at the accident site	
7	Disaster Management Equipment in Railways, Composition and upkeep of ART/ARMV/SPART/140T, Hooter Codes	ALS
8	Civil Defense & First-Aid after an accident	
9	Duties of Officials at Accident Site	
10	Rescue Extrication Techniques & Fire Fighting	
11	Rescue Techniques- Medical Relief, Golden Hour, CPR	
12	Duties of on-board staff at accident site	

SUBJECT NAME	SUPERVISORY SKILLS
SUBJECT CODE	MRT - 18
MODULE	MJP- C, D & W
DURATION	3 Days

SL NO.	TOPIC	
1	Leadership & Leadership styles	AM
2	Motivation	
3	Communication Skills	
4	Time Management	
5	Stress management	
6	Interpersonal Skills	
7	Ethics	

SUBJECT NAME	TECHNICAL ENGLISH
SUBJECT CODE	MRT-19
MODULE	MJP- C, D & W
DURATION	3 Days

SL NO.	TOPIC	
1	Communication Vocabulary	RCS
2	Grammar - Important terms	
3	Common Errors	
4	Official Correspondence	
5	Business Correspondence	
6	General Report Writing	
7	Technical Report Writing	

SUBJECT NAME	MANUFACTURING PROCESS
SUBJECT CODE	MET-12
MODULE	MJP- C, D & W
DURATION	04 Days

SL NO.	TOPIC	
1	Production of metals	MK
2	Hot and cold working	
3	Smithy and forging	
4	Foundry	
5	Metal Joining	
6	Metal Cutting Operations using different machines: Lathe, Drilling machine, Shaper and Planner, Grinding, Milling (CNC& non-CNC) etc.	AK
7	Machining Operations in Wheel Shop	
8	Basics of Metrology and Calibration	
9	Physical Testing of materials (DT & NDT)	
10	Un-conventional machines (Laser, Electron Beam etc.)	ALS
11	Review	

SUBJECT NAME	INDUSTRIAL ENGINEERING
SUBJECT CODE	MET-13
MODULE	MJP- C, D & W
DURATION	01 Days

SL NO.	TOPIC	
1	Introduction	AH
2	Method Study	
3	Principle of Motion Economy	
4	Plant Layout	
5	Work Measurement	
6	Incentive Schemes in Railway Workshops	
7	Job Evaluation and Merit Rating	

SUBJECT NAME	ENGINEERING DRAWING
SUBJECT CODE	MET-14
MODULE	MJP- C, D & W
DURATION	02 Days

SL NO.	TOPIC	
1	Introduction about Engg. Drg.	ADS
2	Drawing Board, Instruments & its use	
3	Lettering & Types of Lines	
4	Dimensioning systems	
5	Geometrical Constructions	
6	Scales	
7	Engineering curves	
8	Principle of Projection - Projection of Points, Lines, Planes & Solids	