

SESSIONAL DETAILS**RJE Batch RJE/2026-01 No. Of Trainees = 03****Class Time Table (from 15 JUNE 2026 to 08 AUGUST 2026)**

	I (09:40-10:50)	II (10:50-12:00)		III (12:20 - 13:30)		IV (14:30-15:45)	V (15:45-17:00)
Monday	ADS	RCS	<u>Tea Break</u> 12:00 to 12:20	AY	<u>Lunch</u> 13:30 to 14:30	ANS	श्रमदान /योग
Tuesday	AM	RCS		MK		AK	Lab/Library
Wednesday	AH	NCJ		ADS		ANS	MK
Thursday	AY	AK		AH		RCS	ALS
Friday	MK	ADS		AK		NCJ	ALS
Saturday	AH	AM		ALS			

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 /STC/CB****Encl: Module & Subject details.**

MODULE & CODES

SL. NO.	Name of Post	Stream	Module No.	Duration in Weeks
1	Sr. Section Engineer	C&W	MSE-C	52
2	Sr. Section Engineer	Diesel	MSE-D	52
3	Sr. Section Engineer	Workshop	MSE-W	52
4	Junior Engineer (RRB)	C&W	MJR-C	52
5	Junior Engineer (RRB)	Diesel	MJR-D	52
6	Junior Engineer (RRB)	Workshop	MJR-W	52
7	Junior Engineer	C&W	MJI-C	52
8	Junior Engineer	Diesel	MJI-D	52
9	Junior Engineer	Workshop	MJI-W	52
10	Junior Engineer	C&W	MJP-C	13
11	Junior Engineer	Diesel	MJP-D	13
12	Junior Engineer	Workshop	MJP-W	13

Module Code

1. M Mechanical
2. SE Section Engineer
3. JR JE- RRB
4. JI JE- Intermediate
5. JP JE-Promotional
6. C C&W
7. D Diesel
8. W Workshop

Subject Code

1. M Module
2. R Railway
3. E Engineering
4. T Theory
5. C C&W
6. D Diesel
7. W Workshop

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

		C&W			
Session	Type	Paper	Subjects	Marks*	Total
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	II		50	50
	Posting	III		50	50
	TOTAL				
GRAND TOTAL					500

SUBJECT NAME	C & W THEORY-03
SUBJECT CODE	MCT-03
MODULE	MJP-C

S.N.	Topic	Duration in Hours	
1	Overview of C&W organization	03	AK
2	Design, Repair & Maintenance of Shell: ICF, LHB, MEMU/EMU coaches and all variants like double decker, Tejas, Gatiman, Hamsafar, Dindyalu, Project Swarn & Project Utkrith, Train-Sets etc.	06	
3	Air Brake System: Components, BMBC, EP brake, WSP, Pipe joints, Testing of coach brake, Loco capability test, continuity test	09	
4	Twin pipe air brake system in wagon, BMBS in wagon, Brake Binding - Causes & remedies	03	
5	Repair and maintenance of Passenger Amenities and Safety fittings	03	
6	Bogie and Suspension system including Air Suspension: Repair and Maintenance, FIBA	08	
7	Wheel & its defects, Wheel shelling in LHB coaches, Axles & bearings of all rolling stocks including MSU	06	
8	Couplings & Buffers, IRS, CBC, Schaku, Dellnor, BDG: Design, repair and maintenance	06	
9	Train Parting - Causes & remedies	03	
10	Train Examination -Coaches: Maintenance schedules, Revised RPC-IV, Issue of BPC, CMM, En-route trouble shooting	03	
11	IRCA Part IV, Modifications, TSOs, CAIs, Technical Pamphlets, Latest JPOs in Coaching Stock	03	
12	Train lighting & Air-Conditioning: Maintenance of Battery and Battery box, RMPU, Lay-out of TL & AC equipment in Non-AC/AC and Power cars, Alternator, Invertor, RRU, IVC (inter vehicle couplers), SG, EOG, HOG	16	NCJ
13	Toilet Systems: WRA and plumbing system, Bio-toilets & Bio- vacuum toilets	03	
	Total	72	

SUBJECT NAME	C & W THEORY-04
SUBJECT CODE	MCT-04
MODULE	MJP-C

Sl. No.	Topic	Duration in Hours	
1	Design features of various wagons including Stainless steel wagons, Aluminum wagons, Higher Axle load wagons, BOBRN Wagon including its door opening mechanism	06	AH
2	New pattern of Train examination of goods stock-CC/Premium/End to End, long haul, heavy haul, Issue of BPC, e-BPC, FMM	03	
3	Wagon manufacturing - use of huck bolts	03	
4	ODC: classification, procedure for sanction, movement guidelines	03	
5	Container wagons-BLC Train operation and maintenance practice	03	
6	IRCA Part III	03	
7	Repair & maintenance of goods stock-ROH	03	
8	Tank Wagons - repairs & maintenance	03	
9	Accident Relief Train	03	ALS
10	Derailment Mechanism	03	
11	Accident Investigation, CRS Enquiry	03	
12	Disaster Management - Role of Supervisors	03	
13	Prevention of accident on C&W account	03	
14	ART/MFD/SPART/140 T Crane Maintenance	03	
15	WILD, Hot Box detector, Track side bogie monitoring system, Action to be taken on reporting	03	
16	Depot stores management	03	
17	Marshalling of trains	03	
18	Role of Supervisors to minimize sick figures/coach detachment/ineffective %	03	
19	Weigh bridge: AMC, Test special, Calibration, action to be taken in case of overloading	03	
20	EnHM: MCC, OBHS, CTS, Pest control, Rodent control & Bed bugs control, Linen distribution, laundry: BOOT Laundry Equipment, disposal of solid waste, quick watering system, automatic coach washing plant, waste water recycling, Station cleaning, cleaning of IT device, electrical equipment	09	AH
21	Layout of Coaching & goods stock yard and its infrastructural facilities	03	
	Total	72	

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

SL NO.	TOPIC	TIME IN HRS	AY
1	Introduction to Computers and Application of Computers/Windows, CMM, FMM	06	
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	AY
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	ADS
6	Role of supervisors at the accident site	
7	Disaster Management Equipment in Railways, Composition and upkeep of ART/ARMV/SPART/140T, Hooter Codes	MK
8	Civil Defense & First-Aid after an accident	ANS
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	AM
1	Leadership & Leadership styles	
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	RCS
1	Communication Vocabulary	
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	MK
1	Production of metals	
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.	
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.)	
11	Review	

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

SL NO.	TOPIC	
1	Introduction	AM
2	Method Study	
3	Principle of Motion Economy	
4	Plant Layout	
5	Work Measurement	
6	Incentive Schemes in Railway Workshops	RCS
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	