

## Class-Time Table

Session – AJEs’ 1st Session (From 06.04.2026 to 30.05.2026) Batch – AJE/26-27/01 Date of Examinations*- 01.06.26 & 02.06.26 Course Coordinator - Sh. Aravind Maurya & Sri Anurag Kushwaha											
Days/Period	I (09:40-10:50)	II (10:50-12:00)	Tea Break 12:00-12:20	III (12:20-13:30)	Lunch 13:30 to 14:30	IV (14:30-15:45)		V (15:45-17:00)			
Monday	AM	AH				ANS			MK		RCS
Tuesday	AK	AY				NCJ			ALS		ANS
Wednesday	ANS	RCS				AH			AY		ALS
Thursday	RCS	AM				MK			AK		ADS
Friday	NCJ	ALS				ADS			MK		AY
Saturday	ADS	AK				AM					

1. **NCJ** ----- Sri Naveen Chandra Jaiswal
2. **MK** ----- Sri Manish Kumar
3. **ADS** ----- Sri Adarsh Soni
4. **AK**----- Sri Anurag Kushwaha
5. **AH** -----Sri Adnan Husain
6. **ALS** ----- Sri Alok Kumar Srivastav
7. **AM** ----- Sri Arvind Maurya
8. **ANS** --- ---Sri Anurag Singh
9. **AY** -----Sri Anuj Yadav
10. **RCS** ----- Sri Ratnesh Srivastava

- MRT-01** Ch-17 to 19,22 to 26 & 36
- MRT-01** Ch-20,21,27 to 34
- MRT-01** Ch-01 to 16
- MRT-02** Ch-01 to 5
- MRT-02** Ch-06 to 09
- MRT-03**
- MRT-04**
- MRT-05**
- MRT-06** Ch-01 to 08
- MRT-06** Ch-09 to 14

\* Subject to change

**Sr. Lecturer & Course Director**  
STC/CB/LKO

### Module details

<b>SL. NO.</b>	<b>Name of Post</b>	<b>Stream</b>	<b>Module No.</b>	<b>Duration in Weeks</b>
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	MJ1-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

### Subjects details

<b>SUBJECT NAME</b>	<b>RAILWAY ORGANISATION &amp; MANAGEMENT</b>
<b>SUBJECT CODE</b>	<b>MRT - 01</b>
<b>MODULE</b>	<b>MSE, MJR &amp; MJI</b>

<b>SL NO.</b>	<b>TOPIC</b>	<b>TIME IN HRS</b>
1	Organization of Indian Railways	03
2	Recruitment and training	03
3	General Conditions of service, APAR	03
4	Medical Attendance Rules	02
5	Leave Rules	03
6	Pass Rules	03
7	Conduct Rules	02
8	DAR	06
9	Payment of Wages Act	02
10	Minimum Wages Act	01
11	Workmen's Compensation Act	02
12	Hours of Employment Regulations	03
13	Factories Act	02
14	Industrial Disputes Act	03
15	NPS, RESS, PF, Pension & Other Retirement benefits	04
16	Welfare Measures, Privilege for differently abled person	03
17	Organization and objectives of Stores branch	02
18	Classification and Codification of Stores	03
19	RTI, CPGRAMS	03
20	Purchase Agencies: IREPS, Use of DSC, GeM,	03
21	Procurement of stores - Non-Stock	04
22	Recoupment of stores - Stock item	04
23	Drawal of Stores	03
24	Scrap disposal	03
25	Disposal of surplus stores	01
26	Inventory Control, IMMIS	03
27	Organization and objectives of Accounts branch	02
28	Budgeting	03
29	Parliamentary control of Railways	02
30	Classification of Expenditure	03
31	Stock Verification	02
32	Delegation of Powers, MSOP	01
33	M&P, Rolling stock and Works Programme: IRPSM, IRMNP and RSP portals	06
34	Audit Paras	03
35	Yoga & meditation	06
36	Rajbhasha	03
37	REVIEW	03
	<b>Total</b>	<b>108</b>

<b>SUBJECT NAME</b>	<b>ROLE OF MECHANICAL DEPARTMENT</b>
<b>SUBJECT CODE</b>	<b>MRT-02</b>
<b>MODULE</b>	<b>MSE, MJR &amp; MJI</b>

<b>SL NO.</b>	<b>TOPIC</b>	<b>TIME IN HRS</b>
1	Organization and objectives of Mechanical Dept.	03
2	Types of Rolling stock- Production/Repair/Maintenance practices of same	02
3	Production units: Brief History, Activities	03
4	Workshops: Role of C&W Workshop, Objectives, Organization, Layout, Activities of different shops	06
5	Workshops: Role of Diesel POH Workshop, Objectives, Organization, Layout, Activities of different shops	05
6	C&W Depot: Role of C&W Depot, Objectives, Organization, Layout, Activities of different sections	04
7	Diesel Sheds and EMU/MEMU/DEMU Shed: Role of Sheds, Objectives, Organization, Layout, Activities of different sections	06
8	Latest Development in Mechanical Dept. /Other Organizations- RDSO, IRIMEE, RITES, CONCOR, CAMTECH	02
9	EnHM: Role of EnHM, Organization, objectives, funds for EnHM works	02
10	Review	03
	<b>Total</b>	<b>36</b>

<b>SUBJECT NAME</b>	<b>ROLLING STOCK THEORY</b>
<b>SUBJECT CODE</b>	<b>MRT-03, 04 &amp; 05</b>
<b>MODULE</b>	<b>MSE, MJR</b>

<b>SL NO.</b>	<b>TOPIC</b>	<b>TIME IN HRS</b>
<b>MRT-03</b>		
1	Types of Coach and their nomenclature, Codal life, Transportation Codes, Coach numbering system	03
2	Introduction of Coach Shell: ICF and LHB Coach	02
3	Wheel set- wheel, axle & bearings	04
4	Introduction of Different types of Bogie for Rolling Stock and Suspension system including Air Suspension	06
5	Types of Draw and Buffing Gears in Coaches and Wagons: An Introduction	06
6	Air & EP Brake system; Brake riggings	09
7	Furnishing items: ICF and LHB, EMU/MEMU coaches, Safety & amenity fittings	04
8	Maintenance practice in coaching stock	03
<b>MRT-04</b>		
9	Types of wagon stock, their nomenclature, Codal life, Transportation Codes, Wagon Numbering System	03
10	Types of bogies in wagon stock	03
11	Features of special wagons/latest wagons	03
12	Pattern of freight train examination	03
13	Weighbridge, WILD and other way side monitoring systems: Overview	03
<b>MRT-05</b>		
14	Diesel locomotives - types, Introduction of Electric Loco, EMU/MEMU & Train-Sets	03
15	Important systems in a diesel locomotive: Fuel oil, lube oil, cooling water, turbo supercharging & brake system	15
16	Electrical control system in Locomotives and Train-Sets/EMU/MEMU	06
17	Latest development in Rolling Stock including Locomotives & Train-Sets	06
18	DEMU: Power and Trailing cars, important features and systems	05
19	SPART- Introduction, Basic arrangements, importance.	01
20	Visit to model room/coaching/wagon depot/workshop & loco shed	14
21	Review	06
<b>Total</b>		<b>108</b>

<b>SUBJECT NAME</b>	<b>INDUSTRIAL SAFETY, FIRST AID &amp; FIRE FIGHTING</b>
<b>SUBJECT CODE</b>	<b>MRT-06</b>
<b>MODULE</b>	<b>MSE, MJR &amp; MJI</b>

<b>SL NO.</b>	<b>TOPIC</b>	<b>TIME IN HRS</b>
1	Causes of fire; Identification of unsafe conditions and unsafe acts	02
2	Identifying and handling of various types of fire extinguishers	04
3	Precautions to be taken while extinguishing fire	02
4	Render first aid to the burn injuries Render first aid to persons affected by suffocation; Communication	02
5	Scope and Rules of first Aid; Structure and function of body	02
6	General idea about circulation of blood; Wound & Hemorrhages; Dressing & Bandages	02
7	Shock & its management; Asphyxia & Artificial respiration	02
8	Injuries to bones & joints - fractures; Unconsciousness and General rules for the treatments of unconsciousness person	02
9	Practical demonstration of Transport of injured persons, stretcher exercises, preparing and blanketing stretcher, Basic Life Support Training	03
10	Principles of Accident, Causation & its Prevention, Unsafe Acts & Unsafe Conditions	03
11	House Keeping, EOT Crane Operation & Material Handling, 5S	02
12	Safety on Small Tools, Electrical Appliances, Welding & cutting gases, Working on heights	02
13	Use of PPE, Mock Drills	03
14	Role of Supervisors on Safety, Accident Reporting & Investigations	02
15	Review	03
	<b>Total</b>	<b>36</b>

## Examination Pattern

### JUNIOR ENGINEER (RRB) (MJR-C, MJR-D, MJR-W)

Session	Type	C&W				DIESEL				WORKSHOP			
		Paper	Subjects	Marks *	Total	Paper	Subjects	Marks *	Total	Paper	Subjects	Marks *	Total
I	Theory	I	MRT-01	75	100	I	MRT-01	75	100	I	MRT-01	75	100
			MRT-06	25			MRT-06	25			MRT-06	25	
		II	MRT-02	25	100	II	MRT-02	25	100	II	MRT-02	25	100
			MRT-03	25			MRT-03	25			MRT-03	25	
			MRT-04	25			MRT-04	25			MRT-04	25	
			MRT-05	25			MRT-05	25			MRT-05	25	