

Syllabus for selection to the post of JE C&W in scale 9300-34800 + GP 4200 against
LDCE quota 2015-16

Coaching

1. Various types of coaching stock in Indian Railways
2. Salient features of ICF bogie and FIAT bogie
3. Various maintenance schedules of ICF coaching stock and LHB coaching stock
4. IRCA Part IV – Coach maintenance
5. Knowledge on passenger amenity items, refurbishing items and safety items in coaching stock
6. Air brake system of ICF coaching stock and LHB coaching stock
7. Air brake testing of coaching stock
8. Knowledge on primary suspension and secondary suspension in ICF coaching stock
9. Knowledge on primary suspension and secondary suspension in LHB coaching stock
10. Details of the items attended in PM, SM and OEM attention
11. Revised RPC-IV and the concepts of examination pattern
12. R&D activities carried out in coaching stock and their significance
13. The concepts on OBHS, CTS, MCC, Pest and Rodent control
14. Various registers maintained in the coaching maintenance
15. Procedure of IOH of coaching stock
16. Concepts on CDTS and Bio toilets
17. Concepts of linen management in coaching depots
18. Various coach dimensions.

Wagon

1. Various types of wagons
2. Procedure of freight examination pattern followed in S.C. Railway
3. Procedure of ROH of BOXN, BCN
4. Modifications carried out on BOXN and BCN wagons for enhanced carrying capacity
5. IRCA Part III – Wagon maintenance
6. Air brake system prevailing in BOXN, BCN and BLC wagon
7. Air brake testing procedure of goods train
8. The concepts on door operating mechanism prevailing in BOBR wagons
9. Classification of categories of body repairs in BOXN wagons
10. Various parameters to be recorded in a wagon in case of a derailment
11. Latest modifications in BCN HL wagon doors
12. Circumstances under which the BPC becomes invalid in CC premium and end to end rakes
13. Concepts on GDR check
14. Various wagon dimensions

General

1. Brake down attention facilities set up in SC Division
2. Brake binding on pass through trains and corrective & preventive action
3. Train parting on pass through and corrective & preventive action
4. Roller bearing failures in coaching & wagon stock and corrective & preventive action
5. General arithmetic, general English and general knowledge
6. Minor and major penalties, leave and pass rules
7. Knowledge on stock items, non stock items and imprest stores
8. Basics of Official Language Act 1963 and 1976
9. Incentives given for implementing official language.

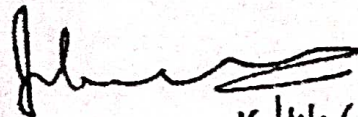
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Annexure-B

SYLLABUS FOR PROMOTION TO THE POST OF JUNIOR ENGINEER (MECH WING) IN Pay Band-2 Rs.9300-34800 + GP Rs.4200 AGAINST 25% LDCE QUOTA IN EMD DIESEL SHED/UBL.

The following areas of Diesel cadre included in the syllabus:

1. Overall understanding of the working of WDG4 and WDP4 locomotives.
2. Safety features available in the Locomotive.
3. Railway Rules regarding leave, Pass, Penalties, Benefits, etc.
4. Procurement of stock and non stock materials.
5. Various M&Ps and T&Ps required for GM Loco maintenance.
6. Basic Arithmetic and reasoning of +2/PUC standard.
7. Basic understanding of engineering drawing.
8. Various maintenance schedules and details of attentions to be given.
9. Trouble shooting of Locomotive with respect to failures of various Mechanical system in the Locomotive, viz, Lube Oil, Fuel Oil, Water, Compressed Air, Power pack, under truck and Air brake system etc.
10. Problem areas in the Locomotive and action taken for rectifying these issues.
11. Details of attention to be given on the Mechanical systems of the Locomotive during 06 yearly schedules.
12. Detailed understanding of the functioning of various Mechanical systems in the Locomotive and its inter relationship.


16/4/15