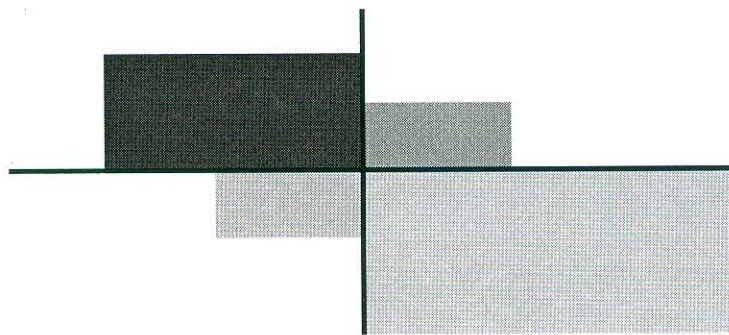


Question Bank, supplied to 'P' branch vide Lr. NO.,
CM. 226. CEW. Vacancies. Vol. II. CI/ATC/BSM dtd. 08-12-11



*S. C. Railway
Mechanical Department
C&TW Branch
Secunderabad Division*

*Syllabus - QUESTIONS
&
ANSWERS BANK*



SYLLABUS FOR WRITTEN EXAMINATION FOR THE POST OF INSTRUCTOR(C&W)-ATC/RDM**(A) C&W MAINTENANCE****1) Coaching Stock:**

- i) Design & Construction features of ICF & LHB Bogies & shells.
- ii) Passenger amenity fittings & Safety fittings
- iii) Train examination pattern and RPC 4 guide lines
- iv) Maintenance schedules and important maintenance instructions
- v) Design & working principle of CDTS in coaching stock
- vi) Operation & maintenance of H-type CBC in coaching stock
- vii) Latest developments & Modifications on coaching stock
- viii) Important provisions in IRCA part-III&IV

2) Freight stock:

- i) Design features of different types of wagons pertaining to BOX,BOXN&BLC wagons
- ii) Important features of stainless steel wagons and maintenance procedures
- iii) Design & construction features of different types of CASNUB Bogies.
- iv) Types of Train examination patterns and differences of each pattern
- v) Central discharge system in tank wagons
- vi) Door locking arrangement of BOBR wagons
- vii) ODC types and procedure for dealing
- viii) Remedial measures to be taken to avoid train partings

3) Brake system

- i) Introduction of Air brake system & Vacuum brake system
- ii) Working principles of Single & Twin pipe Air brake system
- iii) Design difference between the Bogie mounted and Under frame mounted air brake system
- iv) Working of DV & SAB regulator
- v) Brake binding investigation & preventive measures
- vi) Testing procedures of RTR,SWTR/CSTR and loco capability etc.

(B) SAFETY:

- i) Analysis of derailment of coaches/wagons on C&W account
- ii) Fundamentals of Railway track
- iii) Responsibilities/duties of C&W supervisor at accident/derailment site and restoration and various readings to be taken
- iv) Safety fitting, safety practices and safety precautions in C&W depots & other C&W working areas
- v) Safety parameters of wagons and coaches i.e., buffer heights, wheel base,wheelyre profiles clearance etc.

(C) STORES:

- i) Inventory control & ABC analysis
- ii) Types of stores i.e., Stock& Non-stock procurement
- iii) Types of Tenders & Tender committee levels.
- iv) Imprest store, recoupmnt and scheduling
- v) Condemnation of Rolling stock

(D) PLANNING:

- i) Knowledge of M&P programme,works programme and Rolling stock programme
- ii) Knowledge of Establishment rules like HOER, Leave, Pass, D&A Rules, WC Act, Factory Act, Minimum wages Act, and Contract labour Act.

