

SYLABUS FOR SELECTION OF JE-II (Ranker & Departmental) IN
TL/AC GROUP ELECT GEN. SERVICE

1. Activities of electrical department, activities of staff working in areas of train lighting, Air conditioning coaches
2. Maintenance Schedule and overhauling of TL/AC alternator, regulator, underslung and on board inverter.
3. Construction detail, principle of working and maintenance schedule of conventional air conditioning and roof mounted air conditioning plant in coach, Refrigerant, refrigeration cycle.
4. Different types of batteries of coaches, charging of different types of batteries, ingredients of electrolyte, initial charging and maintenance.
5. Power panel in AC Coach – Different equipments.
6. Commissioning and testing of TL/AC coaches, Procedure of testing of generating equipment, testing of AC plant and electrical testing of non AC and AC coaches.
7. Knowledge of description and contents of SMIs modification & Technical Circular connected to TL/AC coaches.
8. Safety, first aid and firefighting. Knowledge of safety rules, safety precautions to be taken while handling electrical equipment, preventive measures to avoid electrical accidents Measure to be taken in case of electrical accidents. Type of fire fighting equipment and their application.
9. System of EOG Coaches, power car working and maintenance
10. Water raising apparatus in coaches.
11. Safety in under gear equipments-alternator, battery, battery box.
12. Knowledge of store functioning.
13. Sick line facility and functioning.
14. Trouble shooting of TL/AC Coaches.
15. Basic knowledge of computer Operation.
16. Disciplinary & Appeal Rules 1968, Railway Service conduct Rules 1966 Schedule of Disciplinary powers.
17. Rajbhasha Adhinyam.

[Signature]
 30.7.10
 अरिष्ट गंडल विद्युत इंजीनियर (साफ-नव)
 Sr. Divisional Electrical Engineer (G)
 मध्य रेल, नागपुर
 Central Railway, Nagpur