

INDICATIVE SYLLABUS FOR CBT

POST: ELECTRICAL TRAINEE

1. Safe working practices, Environment regulation.
2. Trade tools, Conductors, Cables, Measuring instruments.
3. Basic Electrical Laws (Kirchhoff's law, Ohm's law) & Law of magnetism etc.
4. Knowledge of various types of Generators, it's rating, cooling, ventilation, bearings, lubrication, excitation, governing systems, pressure and flow, protection & control of different systems of a generating unit.
5. Electrical wire joints & soldering, Winding etc.
6. Electrical connection, Batteries (Test, service, recharge & installation), Stabilizer, UPS, Inverter & Earthing.
7. Electronic control circuit, Relay & Circuit breaker.
8. Wiring system, Testing of electrical/electronic equipment.
9. DC machines, AC motors, Induction motors, Alternator & MG set, Transformer.
10. Electrical/ Electronic measurement.
11. Electrical illumination system, Light fittings
12. Domestic Appliances,
13. Power plant (Thermal, Hydel, Solar, Wind), Power lines.
14. Distribution system, Control cabinet.



INDICATIVE SYLLABUS FOR CBT
POST: MECHANICAL TRAINEE

1. Safe working practices, Environment regulation.
2. Measuring instrument, Accuracy evaluation.
3. Knowledge of Turbine & its auxiliaries, lubricating system, oil coolers, governors, compressors.
4. Knowledge of AC plant and ventilation.
5. Different types of Fitting operations.
6. Working principles of Lathe & Drilling Machine, Reaming, Offhand Grinding, Tapping, Dyeing, Scraping, Fastening, different types of packing & sealing.
7. Overhauling & Lubrication, concept on Bearing, sleeves.
8. Power tool operation, Assembling & Fitting, Pipe joints, gaskets, Dismantle and Assemble valves & fittings in pipes, pumps, motors, compressors, vehicles, trolleys etc.
9. Working principle of Welding, ARC & Gas welding and Sheet metal working by Soldering, Brazing operation.
10. Forging, Limits, Fits and tolerance.
11. Pneumatic & hydraulic components.
12. Inspection of Machine tools, Repair & maintenance of machinery.
13. Power Transmission system.



INDICATIVE SYLLABUS FOR CBT

POST: WELDER TRAINEE

1. Safe working practices, Environment regulation.
2. Engineering drawing.
3. Different types of welding machines, metals etc.
4. Measure dimension of components.
5. Gas welding, ARC welding, gas brazing, TIG welding, MIG/MAG welding.
6. SMAW machine, oxy- acetylene cutting plant.
7. Different types of MS pipe joints, different welded joints testing.
8. GMAW machine, GTAW machine, Plasma Arc cutting.



INDICATIVE SYLLABUS FOR CBT
POST: CRANE OPERATOR TRAINEE

1. Safe working practices, Environment regulation.
2. Different types of cranes and their specifications & operations.
3. Electrical systems of cranes.
4. Dismantling & overhauling of different parts of crane, fitting of equipment.
5. Valves, Engine oils, joints, gaskets, packings, scales, seals.
6. Engineering chain tapes-ropes, pulley chain, trolleys, wire gauges and ladder.
7. Control systems of the cranes.
8. Operation and Maintenance of the cranes.
9. Measuring instruments.
10. Types of brakes, limit switch, crane signals, drives and interlocks of cranes.
11. Basic Electricity Rules, insulation and earthing.
12. Inspection of crane equipment.
13. Common defects, unsafe conditions of crane movement.



INDICATIVE SYLLABUS FOR CBT

POST: STORE KEEPER TRAINEE

1. Accounting, different types of materials, coding and preservation of materials, estimate and budget, survey etc.
2. Accounting and control of purchases, storage and issue of materials.
3. Different types of manuals, registers, accounts etc. Indent and Material requisition, store keeping procedure, Stocks and inventory, Audit.
4. Basic Business Laws.
5. Creating Accounting Ledgers and Groups; Creating Stock Items and Groups
6. Concept and features of DBMS (Data Base Management System); DBMS in Business Application; Generating Accounting Information.
7. Conversion table on weight, length and all types of measurements.
8. Knowledge of firefighting systems, first-aid, safety rules.
9. Basic knowledge, characteristics, classification, parts of computer, Backup and Restore data.
10. MS Windows, MS Word, MS Excel, Power Point.

