

**GOVERNMENT OF PUDUCHERRY**  
(Departmental test for engineering staff/officers in Electricity Department)

3.00 Hours

PAPER I  
(With Books)

Marks: 100 Max  
40 Min

(Authority, rule, Act and regulation should be quoted, wherever necessary)

**Part A**

(Answer any 10 Questions)

(10X5)

- ~~1. Classify the system voltages.~~
2. Explain a) Expenditure sanction, b) Technical sanction, c) Work order, d) Suspense head of account and e) Rate contract.
3. Define 'Factor of Safety'. What is safety factor for HT over headlines?
4. What are declared voltage and frequency of supply to a consumer of various systems?
5. What should be the minimum ground clearances for 110KV and 230 KV lines?
6. What are the precautions to be adopted by consumers, owners, electrical contractors / workmen and suppliers?
7. What is the load up to which an LT and HT trivector meter would be provided for an HT Service connection?
8. Under what conditions a service connection can be disconnected?
9. Explain the procedure for issuing of 'power feasibility certificate' for HT applicant?
10. What are the standard depths for laying LT and HT under ground cable when buried single run and double runs along and across the Road?
11. Define a) Security Deposit, b) Additional Security Deposit, c) Consumer, d) Belated payment surcharge and e) contracted minimum demand.
12. What are the tests for leakage?
13. What is the methodology of computation of consumption when the meter is not functioning / not in existence?
14. State different Earthing practices adapted.
15. What are the conditions for effecting OHOB service connection?

## Part B

(5X10)

(Answer any 5 Questions)

1. Write short notes on:
  - a) Line clear, b) Write off stores, c) Creeping, d) Power factor, e) L.T. Capacitors
2. Explain violation and narrate the working sheet for arriving compensation charges with examples.
3. What are the rules and regulations for governing power line crossing a telecommunication line? Write the procedure for obtaining PTCC clearance for overhead line and U.G.Cable crossings.
4. Explain all safety precautions to be adopted while working on live line to prevent an accident. Explain the procedure to be adopted when an electrical accident occurs.
5. Explain with relevant Acts:
  - a) Special courts and their special powers, b) acts done in good faith,
  - c) Assessment of unauthorized usage of electricity and civil court's jurisdiction.
6. Explain in details of Agricultural tariff conditions including withdrawal of concessions and flat rate.
7. What are the clearances of building from low, medium, high and extra high voltage lines?
8. What are the conditions for supply of electricity to any high frequency installations like X-ray machines?
9. Explain,
  - a) Restrictions on usage of electricity, b) Load shedding, c) Shutdown,
  - d) Power cut and e) Waiver of security deposit
10. Explain action to be taken for, non-production of license, resale of power by consumer, termination of agreement.

DEPARTMENTAL TEST FOR ENGINEERING STAFF/OFFICERS OF  
ELECTRICITY DEPARTMENT, PONDICHERRY

59

PAPER-II (With Books)

Time: 3 Hours

Max. Marks: 100

Min. Marks: 40

Answer any TEN questions  
All questions carry equal marks  
Quote relevant rules while answering

- I. Write short note on any **three** of the following:
1. Technical Sanction
  2. Deposit works
  3. Secured advance
  4. Demand for grants
- II. What are the general principles that should be observed while entering into agreements or contracts involving expenditure from public funds?
- III. Distinguish between:
1. Earnest Money Deposit and Security Deposit
  2. Maternity leave and paternity leave
  3. Warning and censure
  4. Retirement gratuity and death gratuity
- IV. What are the various minor penalties and the procedure to be followed by a disciplinary Authority in a proceedings for imposition of minor penalty?
- V. Under what circumstances provisional pension is granted to a Government servant. What further action is necessary to be taken by the Head of Office after grant of provisional pension?
- VI. What is study leave? What are the conditions governing its grant?
- VII. (a) What are the conditions to be observed by subordinate authorities delegated with financial powers to incur miscellaneous expenditure?
- (b) To what extent Administrators of Union Territories are delegated with powers to write off (i) irrecoverable losses of stores (ii) Loss of revenue

- VIII. What are the guidelines to be observed by Government servants while accepting gifts?
- IX. What are the important instructions to be followed with regard to preparations of bills for presentation to Accounts Office for payment?
- X. What are the general instructions to be observed by Government officials authorised for handling Government cash?
- XI. (a) When does qualifying service for pension of a Government servant commence?
- (b) Under what conditions the following events in service of a Government servant qualified for pension?
- (i) Periods spent on leave
- (ii) Periods of suspension
- XII. What is the Register of works? How is it posted? What are the Checks applied to it by the Divisional Officer?

\*\*\*\*\*