

**MIZORAM PUBLIC SERVICE COMMISSION**

**DEPARTMENTAL EXAMINATIONS FOR JUNIOR GRADE OF M.E.S. (AE/SDO)**

**UNDER POWER & ELECTRICITY DEPARTMENT,**

**GOVERNMENT OF MIZORAM, JULY, 2022.**

**ENGINEERING PAPER – I**

*Common Paper for all Engineers in Electrical Wing under P&E (Cadre)*

Time Allowed : 3 hours

FM : 100 PM : 40

*Marks for each question is indicated against it.*

*Attempt all questions.*

**PART-I**

1. What are the items included in the Annual Operation & Maintenance cost as per General Conditions for Execution & Maintenance of Deposit Work (Electrical Mechanical). (5)
2. Prepare estimate for 1km 11kV Line with bare conductor to connect 25kVA DT Sub-Station as per P&E Department SOR-2020. (10)
3. What are the main protective equipments and tools normally used in the electrical line as per Electricity Safety Manual (in Mizo) published by P&E Department. (5)
4. Short note on Accessing Officer and Appellate Authority as specified in Electricity Act, 2003. (5)
5. Composition and Functions of State Load Despatch Centre (SLDC) as per the Electricity Act, 2003. (5)
6. Explain briefly about disconnection of power supply in default payment as per Electricity Act-2003. (5)
7. Power and Functions of State Electricity Regulatory Commission as per Electricity Act-2003. (5)
8. Define briefly Deviation, Scheduling, Declaration, Over injection as per CEA (Deviation Settlement Mechanism & related matters) Regulations, 2014. (10)

**PART-II**

9. Explain the procedure/formula to calculate load Security as provided in the JERC Supply Code Regulation, 2013. (5)
10. Explain in brief on Billing in cash of defective/stuck/stopped/burned as per JERC Supply Code Regulation, 2013. (5)
11. Explain procedure for providing new electricity service connection as per JERC Supply Code Regulation, 2013. (10)
12. Explain an Annual review of contract demand as specified in supply code as per JERC Supply Code Regulation, 2013. (5)
13. Explain complaint handling Mechanism to be fulfill by the licensee as per JERC for Manipur and Mizoram (Standard of Performance for Distribution and Transmission Licensees) Regulations, 2014. (5)
14. What are SAIFI and SAIDI as per JERC for Manipur and Mizoram (Standard of Performance for Distribution and Transmission Licensees) Regulations, 2014. (10)
15. Write procedures for connection to Transmission System as mentioned in the JERC (Grid Code) Regulations, 2014. (5)
16. Write functions of Grid Code Review Committee. (5)

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