

MIZORAM PUBLIC SERVICE COMMISSION
DEPARTMENTAL EXAMINATIONS FOR JUNIOR GRADE OF M.E.S. (AE/SDO)
UNDER POWER & ELECTRICITY DEPARTMENT,
GOVERNMENT OF MIZORAM, DECEMBER, 2023.

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 'A' (50 MARKS)

1. What are the items to be monitored and submit monthly, by the EHV Sub-Station in Charge? (5)
2. What are the normal procedures to be followed for initial charging of Power Transformer along with tests to be performed? (10)
3. How to calculate Annual O&M charge as per General Conditions for Execution & Maintenance of Deposit Work by P&E Deptt.? (5)
4. What are the items to be included in the estimate for construction of LT ABC line in Urban areas? (5)
5. Briefly explain the followings from the light of the Electricity Act 2003. (5×3=15)
 - (a) Open Access
 - (b) Intra-State Transmission
 - (c) Electrical Inspector
 - (d) CEA
 - (e) Assessing Officer
6. Briefly explain the following from the light of CERC (Deviation Settlement Mechanism & Related Matters) Regulations 2014. (5×2=10)
 - (a) Time Block
 - (b) Charges for deviation
 - (c) Scheduled Generation
 - (d) Under injection
 - (e) Seller

PART 'B' (50 MARKS)

7. Explain about Operation & Maintenance of Street light, as per JERC M&M Supply Code Regulations. (5)
8. How Billing will be done in case of defective/stuck/stopped/burnt meter per JERC M&M Supply Code Regulations? (5)
9. How billing will be done in case of excess load per JERC M&M Supply Code Regulations? (5)

10. Explain the followings in brief: **(5×2=10)**
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|--------------------------------------|--------------------------|
| (a) Security Deposit | (b) Point of Supply |
| (c) Annual review of Contract demand | (d) Temporary Connection |
| (e) Sanctioned Load | |
11. Write the Procedures to transfer connection. **(5)**
12. Explain roles & function of SLDC. **(5)**
13. Write short notes as per JERC M&M Grid Code Regulations On: **(2×2.5=5)**
- | | |
|---------------------|--|
| (a) Demand Control | |
| (b) Outage planning | |
14. Write importance of frequency control for grid stability. **(5)**
15. Explain the process for handling complaint as per JERC M&M Standard of Performance Regulations. **(5)**

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