

MIZORAM PUBLIC SERVICE COMMISSION
DEPARTMENTAL EXAMINATIONS FOR JUNIOR GRADE OF M.E.S. (AE/SDO)
UNDER POWER & ELECTRICITY DEPARTMENT,
GOVERNMENT OF MIZORAM, JUNE, 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 main items to be included in the Estimate as stated General Conditions for Execution and Maintenance of Deposit Works? (5)
2. What are the basic items for construction of LT ABC as per P&E Department SOR 2022? (5)
3. What are the normal procedures to be followed for taking Shutdown of Electrical lines/Equipments? (10)
4. What are the steps to be taken while working under overhead electrical lines as specified in Electricity Safety Manual? (5)
5. Explain powers and functions of Central Regulatory Commission as mentioned in the Electricity Act, 2003? (5)
6. Write notes on Appellate Tribunal for Electricity (5)
7. Explain briefly about Co-ordination Forum and Special Court as mentioned in Electricity Act, 2003 (5)
8. Define briefly the following as mentioned in CEA Deviation Settlement Mechanism and related matters Regulations, 2014. (10)
 - (a) Schedule drawal,
 - (b) deviation,
 - (c) seller,
 - (d) time block
 - (e) Interface meter

PART 'B' (50 MARKS)

9. Briefly define difference between Contracted Load and Contracted Demand as per JERC Supply Code Regulations, 2013. (5)
10. Explain procedure for providing Temporary Power Supply as per JERC Regulations, 2013. (5)
11. Write the procedures for booking a case for unauthorized use of Electricity as per JERC Supply Code Regulations, 2013. (5)
12. Define the following: (10)
 - (a) Captive power plant
 - (b) Demand control
 - (c) Inter-State transmission system
 - (d) Force outage
 - (e) SCADA
13. Explain the procedure for to be followed for release of any new connection to the intending Consumer (5)
14. Write notes on Frequency Management & Voltage Management as per JERC (M&M) Grid Code Regulations, 2010 (5)
15. Define compensation mechanism as per Standard of Performance for Distribution and Transmission Licensees Regulations, 2014. (5)
16. Design with neat sketch for metering system arrangement to New Service connection to multi storey buildings. (10)

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