

MIZORAM PUBLIC SERVICE COMMISSION
DEPARTMENTAL EXAMINATIONS FOR
AE/SDO (ELECTRICAL)
UNDER POWER & ELECTRICITY DEPARTMENT, NOVEMBER 2016

ENGINEERING PAPER – II
(WITH BOOKS)

Time Allowed : 3 hours

FM : 100 PM : 40

Marks for each question is indicated against it.
Attempt all questions

1. (a) What are the qualifications of an Inspector and Officers to assist Inspectors? (5)
(b) Write short notes on 'Precaution against leakage before connection' to consumer's premises as per IE Rules. (5)
2. Mention different provisions to be made with respect to connection with earth for low and medium voltage connection as per IE Rules. (10)
3. (a) What are the minimum clearances required to be maintained between overhead lines crossing each other for the system of: (5)
(i) LV & 11kV lines (ii) LV & 33kV lines
(iii) 11kV & 33kV lines (iv) LV & 132kV lines
(v) 33kV & 132kV lines
(b) What are the minimum ground clearances to be maintained for overhead lines erected elsewhere than along or across any street? (5)
(i) LV line (ii) 11kV line
(iii) 33kV line (iv) 66kV line
(v) 132kV line
4. What are the functions and duties of State Load Despatch Centre? (10)
5. Explain how License is revoked under EA 2003. (10)
6. What are the actions that may be taken by an authorized officer in case of theft of energy as per EA2003? (10)
7. What kind of inspections and testing are to be conducted by the Department for release of service connection to newly applied consumer as per Terms and Conditions of Supply of Electrical Energy (Mizo). (10)
8. Write the IS No for the following (*any five*):
 - (a) Method for determination of dielectric strength of insulating oils.
 - (b) Electrical Insulation-Thermal Evaluation and designation.
 - (c) Fitting and accessories for power transformers
 - (d) Measuring current transformers
 - (e) Maximum demand indicator
 - (f) Danger Notice plates
 - (g) Static Protective Relays

9. (a) Explain in detail the condition when an employer is not liable to provide compensation to workers as per Workman's Compensation Act. (5)
- (b) Write short notes on Appointment of Commissioners as per Workman's Compensation Act. (5)
10. Explain in brief how Government may acquire land as per Land Acquisition Act. (10)

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