No.A-34012/2/2022/DP&AR(Exam) **GOVERNMENT OF PUDUCHERRY** DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (PERSONNEL WING)

Puducherry, dated: 21.04.2022.

MEMORANDUM

Sub:

Public Services Conduct of DEPARTMENTAL TEST ENGINEERING STAFF / OFFICERS OF ELECTRICITY DEPARTMENT

- Application - Called for - Regarding.

Ref:

(1) G.O.Ms.No.37/94-DP&AR(Exam) dated 24.05.1994 of the DP&AR(PW), Pondicherry.

(2) G.O.Ms.No.19/2007/DP&AR(Exam) dated 19.03.2007 of the

DP&AR(PW), Puducherry. (3) G.O.Ms.No.102 dated 27.06.2016 of the DP&AR(PW), Puducherry.

The Departmental Test for Engineering Staff / Officers of Electricity Department as prescribed in the G.Os. cited is proposed to be conducted tentatively during the month of June, 2022.

- The Superintending Engineer, Electricity Department, Puducherry is requested to kindly bring the contents of this Memorandum to the notice of all Officers / Staff concerned, including those working in Karaikal / Mahe / Yanam and also to those who are on deputation and forward the applications in the prescribed form (specimen enclosed) of Officers / Staff, who are willing and eligible to take-up the test, so as to reach this Department on or before 23.05.2022 after scrutiny. Applications received after the prescribed date will not be entertained on any account. Applications which are not in the prescribed form or which are found to be defective, will summarily be rejected.
- Only those officers / staff as mentioned the G.Os. cited and those in the feeder posts in the immediate line of promotion need apply.
- The admission of the candidates to the test will be regulated in accordance with the orders contained in G.O.Ms.No.37, dated 15.04.1976 of the GAD, Pondicherry, G.O. MS. No.16, dated 17.02.1999 of the DP&AR (Personnel Wing), Puducherry and U.O.Note/Memorandum No.3-1/83-GAD (Exam), dated 04.07.1983 of the GAD, Pondicherry.
- Those who have already appeared for the test twice, except Scheduled Castes / Scheduled Tribes / Ex-Servicemen / Physically Handicapped candidates, should send with their applications an Indian Postal Order for ₹10/- (Rupees ten only) drawn in favour of THE UNDER SECRETARY TO GOVERNMENT, DP&AR(PW), PUDUCHERRY (by designation only) payable at PUDUCHERRY as admission fee in accordance with the G.Os. cited at para 4 above, failing which their applications will summarily be rejected.
- In case the official is transferred to other departments / any outlying region after the submission of application, the Department / Office where he / she has been transferred and also the Centre where he / she wants to take up the test should be intimated to this Department immediately. If any request for change of Centre is received after the despatch of the Hall Ticket, the same will not be entertained.
- 7. The actual date, time and venue of the test will be intimated to the candidates in due course.
- This Memorandum, Syllabus and previous year question paper of the test have been hosted in the official website https://dpar.py.gov.in for reference.
- In case no application from eligible Officer / Staff is received, a 'NIL' report should invariably be furnished to this Department.

/ BY ORDER /

(V. JAISANKAR) **UNDER SECRETARY TO GOVERNMENT**

Encl: As stated.

To

The Superintending Engineer – I, II, III, Electricity Department, Puducherry.

Copy to:

- 1. The Executive Engineer I, II, III, IV, VI, VII, VIII, IX and X, Electricity Department, Puducherry.
- 2. The Executive Engineer V, Electricity Department, Karaikal.
- 3. The Assistant Engineer, Electricity Department, Mahe / Yanam.
- 4. The Director of Ports, Puducherry.

APPLICATION FORM FOR ADMISSION TO DEPARTMENTAL TEST FOR ENGINEERING STAFF / OFFICERS OF ELECTRICITY DEPARTMENT

<u> IMP</u>	<u>'OR 1</u>	<u> </u>	TI	VO	TE:

(i) N	o column should be left blank. (ii) Any omission will lead to supplication and no correspondence will be entertained on this m	mmary rejection of the
ω ₁	(To be filled by the candidate's own	
1.	i) Name of the candidate (In full and in BLOCK CAPITAL) ii) Candidate's PRAN / GPF Number	:
	iii) Candidate's Mobile Number	:
	iv) Candidate's e-mail Id (if any)	:
2.	i) Designation	:
	ii) Present official address with Office Telephone Number	:
	iii) In case the official is on <u>deputation</u> , the name of the Department / Office from which deputed with Office Telephone Number	÷.
3.	i) Post held (whether regular or ad-hoc basis)	:
4	ii) In case the candidate officiates in the present post on ad-hoc basis, indicate whether he / she hold any other post on regular basis	:
4. 5.	Classification of the post Educational Qualification	:
6.	i) Whether the candidate belongs to category of Scheduled Castes / Scheduled Tribes / Ex Servicemen / Physically Handicapped (Answer YES or NO)	· :
	ii) If YES , specify S.C. / S.T. / XSM / O.H. / V.H. and should enclose copy of relevant certificates (Community Certificate issued by the Revenue Authorities / Medical Certificate issued by the Medical Board).	
	The P.H. candidates who want to avail grant of extra time / provision of scribe facility to attend the test should enclose requisition letter stating reason for the same along with the proforma.	·
7.	i) Date of Birth	:
	ii) Date of <u>initial appointment</u> with designation	: Date :
		Designation:
8.	 iii) Date of appointment in the present post i) Whether appeared previously for the test (tests conducted after 15-04-1976 alone need be taken into account) (Answer YES or NO) ii) If YES, indicate the Number of attempts already made with particulars of date of conduct of the test 	; ;
9.	Fee paid, if any, vide Indian Postal Order Number, Date and Amount	:
10.	Name of the Centre in which the candidate is to be examined (PUDUCHERRY / KARAIKAL / MAHE / YANAM)	:
11.	Specify the papers(s) of the test which the candidate is willing to attend (Paper-I / Paper-II / Both Papers)	:
Place Date		TURE OF THE CANDIDATE
	(TO BE FILLED IN BY THE HEAD OF DEPARTM	IENT / OFFICE)
	Certified that the particulars furnished against item No	, , ,
		(Name of the candidate)
 عمر		ition) have been verified with
ret	erence to the relevant records and found correct.	•
Pla	SIGNATURE OF THE HEAD OF DEPARTMENT / OFFICE	:
Da	te: NAME & DESIGNATION WITH S	SEAL :
No	te: (i) Application from deputation staff should be routed through the (ii) For uniformity, <u>LEGAL</u> size printout of Application form is pr	

GOVERNMENT OF PONDICHERRY

ABSTRACT

Public Services - Departmental Test prescribed for Electricity Department - Revision of - Orders - Issued.

DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (PERSONNEL WING)

G. D. Ms. No. 37 /94-DP&AR(Exam)

Pondicherry, the 24-05-1994

READ: 1) G.O.Ms.No.138/73-(Exam), dated of the General 21-12-1973 readwith G.O.Ms.No.35 Administration dated 20-4-1977 and Department, Urder No.227, dated 26-12-1980 Pondicherry.

2) Letter No.4-3/ED/Estt./A.7/91, dated 28-2-1991 from the Superintending Engineer, Electricity Department, Pondicherry.

ORDER:

In the G.Os. first read above, Departmental Tests have been . & prescribed for the Engineering Staff/Officers of Electricity Department. These orders also contain the syllabus of the "Departmental Test for Engineering Staff/Officers of Electricity Department. The question of revising the syllabus of the Departmental Test for Engineering $\mathsf{Staff}/$ Officers of Electricity Department has been engaging the attention of the Government so as to suit the present requirements of the Electricity Department. After careful consideration, it has been decided to revise the above orders and the syllabus of the Departmental Test for Engineering Staff/Officers of Electricity Department.

Accordingly, in supersession of the Government Orders first read above, approval of the Administrator is accorded to prescribe Departmental Test for Engineering Staff/Ufficers of Electricity Department as indicated below:

DEPARTMENTAL TEST PRESCRIBED

- S1.No. CATEGORIES DEPARTMENTAL TEST PRESCR 1. Assistant Engineer
- 2. Junior Engineer Grade-II
- Draughtsman

Departmental Test for Engineering Staff/Officers of Electricity Department.

- The revised syllabus of the Departmental Test for Engineering Staff/Officers of Electricity Department and other details are given in the Annexure to this order.
- The test will be conducted by the Department of Personnel and Administrative Reforms (Personnel Wing), Chief Secretariat, Pondicherry

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subject to the conditions to be notified by them from time to time and on the dates and centres to be intimated separately.

5. The passing of this test will not confer on any candidate the automatic right to be appointed to higher posts.

/ BY CROER OF THE ADMINISTRATOR /

S.R. ARYA CHIEF SECRETARY TO GOVERNMENT

Τo

The Superintending Engineer: Electricity Department, Pondicherry.

Copy to:

- T. The Regional Executive Officer, Karaikal/Mahe/Yanam.
- 2. The Deputy Secretary to Government, Power Secretariat, Pondicherry.
- 3. All Executive Engineers, Electricity Department, Pondicherry/Karaikal.
- 4. G.O. File.
- 5. The Central Record Granch.
- 6. Stock File.

FORWARDED / BY ORDER

UNDER SECRETARY TO GOVERNMENT

U.A.

ANNEXURE

(Syllabus of the Departmental Test for Engineering Staff/Officers of Electricity Department.)

DEPARTMENTAL TEST FOR ENGINEERING STAFF/OFFICERS OF ELECTRICITY DEPARTMENT.

> PAPER-I. (With Books)

Duration . 3 Hrs. Maximum Marks. 100 Minimum Marks: 40

- 1. The Indian Electricity Act, 1910.
- 2. The Indian Electricity Rules, 1956.
- 3. The Tamil Nadu Electricity Board Manual Volume-I:-Chapters-IV and V (excluding Section-IV).

As regards tariff, the rates applicable to Pondicherry Union Territory as amended from time to time should be adopted.

- 4. Electricity Department Manual.
- 5. "Terms and Conditions of Supply of Electricity" in Union Territory of Pondicherry.

PAPER-II (With Books)

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Duration Maximum Marks: 100 Minimum Marks: 40

1. The Central Public Works Department Manual Volume-II:-Works, Works Accounts, Contracts, Stores, Budget, Preparation of Bills and Works Apstracts -- Simple Problems.

Chapters-I, II (except Sections-13,14(iv),(v),(vii),(viii) and (ix)), III's IV and V.

- 2. The General Financial Rules, 1963.
- 3. The Delegation of Financial Powers Rules, 1978 -- Rules 1,2,3,4 and 13 with Appendices.
- 4. The Central Civil Services (Conduct) Rules, 1964.
- 5. The Central Civil Services (Classification, Control and Appeal) Rules, 1965.
- 6. The Central Civil Services (Leave) Rules, 1972.
- 7. The Central Civil Services (Pension) Rules, 1972.
- 8. The Central Government Account (Receipts and Payments) Rules, 1983 --(Part-III).

Note: The above two papers may be passed compartmentally.

UNDER SECRETARY TO GUVERNMENT

U.A.

GOVERNMENT OF PUDUCHERRY ABSTRACT

Public Services - Syllabus of the Departmental Test for Engineering Staff / Officers of Electricity Department - Paper-I - Revision of - Orders - Issued.

> DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (PERSONNEL WING)

G.O.Ms.No. 19/2007/DP&AR(Exam)

Puducherry, dt. 19/03/2007

Read:

G.O.Ms.No. 37/94-DP&AR(Exam), dt. 24.05.1994 of the Department of Personnel and Administrative Reforms

(Personnel Wing), Puducherry.

ORDER:

The following amendment is issued to the G.O read above.

REVISION

In the G.O. read above prescribing the syllabus of the Departmental Test for Engineering Staff / Officers of Electricity Department for the entry against Sl.No. 1 of Paper-I namely "The Indian Electricity Act, 1910 ", the following shall be substituted namely " 1. The Electricity Act, 2003 " (Act No. 36 of 2003 except Sections 82 and 83) as communicated by Government of India, Ministry of Home Affairs in Letter No. F.No. U-11030/2/2003-UTL, dt. 12.01.2005.

/BY ORDER OF THE LIEUTENANT GOVERNOR/

(V. KANNABIRAN) UNDER SECRETARY TO GOVERNMENT

To

The Superintending Engineer-I & II, Electricity Department, Puducherry.

Sur 1911

Copy to:

1. The Collector, Karalkal.

2. The Regional Administrator, Mahe/ Yanam.

- 3. The Under Secretary to Govt. (Power), Chief Secretariat, Puducherry.
- 4. All Executive Engineers, Electricity Department, Puducherry.
- 5. The Central Record Branch, Chief Secretariat, Puducherry.
- 6. The DP&AR (SS-I), Chief Secretariat, Puducherry.
- 7. G.O. file.
- 8. Stock file.

GOVERNMENT OF PUDUCHERRY

ABSTRACT

Public Services – Departmental Test prescribed for Electricity Department – Revision of Syllabus – Orders – Issued.

DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (PERSONNEL WING)

G.O. Ms. No.102

Puducherry, dt.: 27.06.2016.

Read: G.O. Ms. No. 37/94-DP&AR (Exam), Pondicherry, dt. 20.05.1994.

ORDER:

In the G.O. cited above the syllabus for the Departmental Test for the Electricity Department have been prescribed. Now it is felt that the prescribed syllabus is outdated in the present scenario and hence it has been decided to revise the above orders and the syllabus are prescribed as follows:-

PAPER I:

- a. The Electricity Act 2003 and its Amendments.
- b. Central Electricity Authority Regulation and Amendments
 - 1. Central Electricity Authority (Installation and operation of meters) Regulations, 2006.
 - 2. The Central Electricity Authority (Technical standards for connectivity of the gird) Regulations, 2007.
 - 3. The Central Electricity Authority (Technical standards for construction of Electrical plants and electric lines) Regulations, 2010 (Chapter IV and V only).
 - 4. The Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010.
 - 5. The Central Electricity Authority (Safety requirements for construction, operation and maintenance of electrical plants and electric lines) Regulation, 2011.
- c. The Energy Conservation Act, 2010 and its Amendments.
- d. JERC Regulation together with its amendments and corrigendum, applicable for Goa and Union Territories.
 - 1. JERC (Standards of performance for distribution Licensee Regulations) 2015.
 - 2. JERC (Open access in transmission and distribution regulations) 2009.
 - 3. JERC (Terms and conditions for determinations of Tariff regulations) 2009.
 - 4. JERC (Electricity Supply code Regulations) 2010.
 - 5. JERC (State Grid Code Regulations) 2010.
 - 6. JERC (Distribution code Regulations) 2010.
 - 7. JERC (Procurement of renewable energy Regulations) 2010.
 - 8. JERC (Demand side management Regulation) 2010.
 - 9. JERC (Solar power grid connected ground mounted and solar rooftop metering) Regulations 2015.
- e. Tariff schedule in force for the Electricity Department issued by JERC.

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PAPER II:

- 1. The Central Public Works Departmental Manual works 2014 Works, Works Accounts, Contracts, Stores Budget.
- 2. The General Financial Rules, 2005.
- 3. The Delegation of Financial Powers Rules 2011- Rules 1,2,3,4 and 13 with appendices.
- 4. The Central Civil Services (Conduct) Rules.
- 5. The Central Civil Services (Classification, Control and Appeal) Rules.
- 6. The Central Civil Services (Leave) Rules.
- 7. The Central Civil Service (Pension) Rules.
- 8. The Central Government Account (Receipt and Payments) Rules.

/By order of the Lt. Governor/

UNDER SECRETARY TO GOVERNMENT (DP&AR-EXAM)

То

The Superintending Engineer - I, Electricity Department, Puducherry.

Copy to:

- 1. The District Collector, Karaikal.
- The Regional Administrator, Mahe / Yanam.
- 3. The Deputy Secretary (Power), Chief Secretariat, Puducherry.
- 4. All Executive Engineers, Electricity Department, Puducherry.
- The Central Record Branch, Chief Secretariat, Puducherry.
 The DP & AR (SS-I), Chief Secretariat, Puducherry.
- 7. G.O. file.8. Stock file.

COVERED TO POUT OF PARTIES ABSBLACT

Public Services - Conduct of Departmental Tests - Admission to -Regerding.

CENERAL ADMINISTRATION ET MONTHE OF CHARLES AND CONTRACTOR OF CONTRACTOR -0-0-0-0-0-

G.O.Ms.No.37

Datud: 15th April, 1976

OK DIK:

Government have prescribed departmental tests in respect of Government have prescribed departmental tasts in respect of various categories of officers/staff working in different departments and the tests are conducted periodically as per the programe draw and communicated in Circular No. F. 38941/74-GAD(Exam) dated 5th March, 1974. At though these tests are meant for the categories of officers/staff for whom they are specifically prescribed, other categories of officers/staff have also been allowed to write the tests in response to the requests received from the various service Associations. Such unrestricted admission of candidates to the departmental test(s) has been causing a left of administrative incorvenience. Bed date, a huge ground has also to and aground of candidates to the departmental wastes and candidates to the departmental wastes, a high amount has also to be spent by way of payment of honoraria to the examiner for setting up of question papers and valuation of answer papers, payment of honoraria to invigilators, etc. With a view to meeting part of the above expenditure, it has been decided that fees may be collected from the candidates who have not expended in their attempts tides in the departmental test of the According not succeded in their attempts twice in the departmental test(s). Accordingly, the following orders are issued with regard to the payment of fees.

1. A fee of &.5/- be collected for each departmental test/Examination. 2. The fee payable will be kt.5/- even if a part/paper of a particular

test is to be written.

- 3. The number of attempts for purpose of collection of fees, will calculated based on the various departmental test/examination which will be conducted after the issue of this order.
- 4. The fee is payable by Indian Postal Order payable to the Deputy Socretary to Government, General Administration Department, Pondicherry (by designation only).

 5. Foes once paid will not be refunded on any account.

- 6. Applications without the Indian Postal order will be summarily rejected.
- 7. Schoduled Caste/Scheduled Tribe and Tx-servicemen candidates are exempted from payment of fee for departmental tests.
- 8. L. L. Ug/Olerks are exempted from payment of fee for departmental test in Typewriting only.
- 2. In supersession of the earlier orders, the following instructions are issued for strict compliance in so far as admission of candidates to the departmental tests are concerned:-
 - 1. For departmental tests, all categories of staff except Class IV will be admitted.
 - 2. Only candidates who are on regular employment in Government service,
 - in any capacity, will be additted to the departmental test.
 3. The Departmental tests, such as departmental test for Medical Officers, Ungineers, etc., the syllabus for which contain technical subjects will be thrown open to only such of those for whom they

are specifically prescribed and for those who are in line for promotion to such of the categories for whom it is prescribed.

(By. Order of the Lieutenant-Governor)

CHEF STORTARY TO COVERNMENT

· To

All Secretaries to Government.
All Heads of Departments/Office\$
Administrators of Karaikal, Mabe, Yanam.
The Central Record Branch, Pondicherry.
Copy to:

Stock file. 0.0.File.

(B. DUTESSMY) L. 26.

DEPUTY STORTARY TO GOVERNMENT.

Bovernment of Fondicherry Abstract

Public Services - Conduct of Departmental Tests Revision of Admission Fees - Orders - Issued.

DEPARTMENT OF PERSCHNEL AND ADMINISTRATIVE REFORMS (FERSONNEL WING)

G.O. Ms. No. 16

Dt. 17-2-99

ORDER:

READ: GO.Ms.No.37, dated 15,4.1976 of General Administration Department..Pondicherry.

In the Government Order read above, the fee for admission to the Departmental Tests Examination has been prescribed. The question of enhancing the fee has been engaging the attention of the Government, as a huge amount is being spent by way of payment of honoraria to the Examiners for setting up of Question Papers/Valuation of Answer Papers, payment of honoraria to the Invigilators, stationery charges et., and with a view to meet a part of the above expenditure it has been decided to increase the fee to be collected from the candidates appearing for the Departmental Tests /Competitive Examination.

- 2. Accordingly in partial modification of the G.O. read above the fee prescribed for the Departmental Test and Competitive Examination stands increased from Rs.5/- to Rs.10/- as indicated below with immediate effect.
 - Rs.10/i. For competitive Examination
 - ii. For Departmental Test after .- Rs.10/two attempts

No fee is collected in the following cases:-

- i) Departmental Test for the first two attempts
- ii) In the case of SC/ST/PH/Ex-eervicemen for Competitive Examination as Well as Departmental Test.
- 4. This issues with the concurrence of the Fir Department vide their U.C. No.14310/98/F4, dated 15.02.1999. Finance

/BY Order of the Lieutenant Governor/

Appropriate in '(T. DJANAGUIRAMANE) UNDER SECRETARY TO GOVERNMENT

1. The All Secretaries to Government/All Sectt. Departments 2. All Heads of Departments/offices 3. The Regional Executive Officer, Karaikal/Mche/Yanam.

4. The Central Records Branch, Pondicherry.

5. The Stock file.

No.3-1/83-GAD(Exam)
GGVLA MENT OF PONDICHERRY General Administration Department

Pendicherry-605001, the 4th Guly 183

U.O. NOTE/MEMORANDUM

Subject: Public Services - Conduct of departmental tests
Admission to - Regarding.

Reference: Circular No.38941/74-GAD(Exam) dated 5.3.1974 of the General Administration Department.

Departmental tests have been prescribed for various categories of officials of this Administration and tests are being conducted periodically by this department as per the programme drawn in the Circular citad above. Although these tests are meant for those for whom they are specifically prescribed, this, department has been admitting even candidates who do not fall under such categories. This, of late, has caused much administrative inconveniences. The matter has been carefully examined by this Administration and it has been decided that only officials who belong to the category for which a particular departmental test is specifically prescribed and those who are in the immediate line of promotion to the category for which a test is immediate line of promotion to the category for which a test is prescribed will be admitted to that departmental test in future. The Accounts test for subordinate officers and the common General departmental tests for Ministerial staff will remain open to all as hithertefore.

The Heads of departments/Offices are requested kindly to bring the above decision to the notice of all officials under their control. They are also requested to screen the applications at the time of submission itself and forward to this department only the applications of those for whom the test is prescribed and who are on the immediate line of promotion if they pass the relevant tests.

DEPUTY SECRETARY TO GOVERNMENT

To

All Secretariot Departments All Heads of Departments/Offices.
Administrators, Karaikal/Mahe/Yanam with spare copies.

vb.4.7.

Held on 14.02.2021

GOVERNMENT OF PUDUCHERRY

(Departmental Test for Engineering Staff/ Officers in Electricity Department)

PAPER I

Time: 3 Hours

Marks: 100 Max

(With Books)

(Quote Authority, Act, Rule, Regulation, wherever necessary)
(Extra answers than the required number of choices, will fetch no extra marks)
(Answers without reference carry minimum marks on the merit of the answers)
(For the case study questions, assume the data for answering, quoting the rule)

PART A

(Answer any TEN questions. All questions carry equal marks)

 $[10 \times 5 = 50 \text{ Marks}]$

- 1. (a) Who has the powers to establish a State Load Despatch Centre?
 - (b) What are the important functions of State Load Despatch Centre?
- 2. (a) What are the objectives of a State Advisory Committee? What is the maximum number of Members, the State Advisory Committee shall consist of?
- (b) What is the time limit for extension of power supply to a consumer for a new connection where supply can be provided from existing network in Urban and Rural areas of Puducherry?.
- 3. (a) What is the minimum horizontal clearance from building for a 11 KV over head line?
 - (b) How many joints are permissible as per rules in a span of over head line?
- 4. (a) Where is the provision available for making advance payment of Current consumption charges, if any consumer intends to do so? Whether interest has to be paid to the consumer on the amount remaining outstanding? If so whether it is to be paid monthly, quarterly or annually?
- (b) Indicate the methodology for calculation of security deposit for a domestic consumer?
- 5. (a) Give the details of tariff applicable for Domestic, Commercial and LT Industrial categories, as per the latest Tariff Order issued by the JERC for the UT of Puducherry?

- (b) What do you mean by Average Cost of Supply?
- 6. What safety measures are to be taken where a sub-station with apparatus having more than 2000 Litres of oil is installed?
- 7. (a) What do you mean by Renewable Purchase Obligation?
 - (b) What is Renewable Energy Certificate?
- 8. What is the time lines for extending power supply to consumers under Standard of Performance Regulations of JERC?
- 9. What is the percentage of Voltage variations allowed in case of Low Voltage, High Voltage and Extra High Voltage?
- 10. Explain the difference in operational and functional aspects between Electromechanical Energy meter, Static Energy Meter, LPRF Energy Meter and Smart Energy Meter.
- 11. (a) What is SCADA?
 - (b) How SCADA is useful in a distribution system.
- 12. Mention any three type of Relays deployed in a typical 110 / 22 KV Sub-station and their functions?
- 13. A LT Service connection has been provided with LT CT Meter of ratio -/5 Amps in conjunction with Current Transformers of ratio 150/5 Amps. What is the Multiplication Factor to be applied while billing the consumer?
- 14. How much energy is expected to be generated from a Roof Top Solar PV Power Plant of capacity 15 KWp every month?. Consider a Capacity Utilisation Factor (CUF) of 19%.
- 15. List out the precautionary measures to be observed in a Electricity Distribution System, to avoid any Electrical accidents..

PART B

(Answer any FIVE questions. All questions carry equal marks) (אַ אַ אַ זֹס ב בּבָּס אַמּאוני)

- 1. Say True or False:
 - a) Transmission Licensee can perform the business of trading to utilize its assets in optimum manner.
 - b) Transmission of electricity through inter-State transmission system is one of the functions of the State Transmission Utility.
 - c) If the connected load of a service is more than the sanctioned load, it shall be treated as unauthorized use of electricity.
 - d) A licence from the appropriate Commission is required for undertaking the business of Distribution of Electricity.
 - e) Any Order of the Appellate Tribunal can be challenged before the Supreme Court.
- (a)What action to be taken if a consumer meter is deliberately lost by the consumer? Substantiate the reply with relevant provisions in Supply Code.
 (b)Whether interest on Security Deposit is payable to the consumer if the Security Deposit is made in the form of Bank Guarantee?
- 3.(a) What is PM KUSUM scheme? What are the benefits of the scheme?
 - (b) Define Gross Metering, Net Metering and Virtual Metering.
- 4. Write short notes on:
 - (a) Reactive Power Compensation (b) ACS-ARR Gap
- 5. (a) Write a note on Gas Insulated Sub-stations (GIS)? Where erection of GIS is preferred?
- (b) What is the purpose of providing of a Surge Arrestor in a sub-station? How will you select the rating of a Surge Arrestor?
- 6. Describe the procedure for determination of tariff by the Commission for the electricity supplied by a distribution licensee.
- 7. (a) List out the important functions and duties of the Central Electricity Authority.
 - (b) Write a note on constitution of a Joint Commission.
- 8. (a) What are the penal provisions for non-compliance of directions by Appropriate Commission?
- (b) What actions of a Licensee requires permission / prior approval of the Appropriate Commission?

teld on 11,02,2021

DEPARTMENTAL TEST FOR ENGINEERING STAFF / OFFICERS OF ELECTRICITY DEPARTMENT

Max.	PAPER – II (WITH BOOKS) TIME : 3 HOURS Marks: 100 Answer any <u>TEN</u> questions All Answer carry equal marks Quote relevant rules while answering	Min. Marks: 40
1.	What are the various stages in Minor Penalty Proceedings?	(10)
2.	Write short notes on any two: a) Ex-parte enquiry b) Common Proceedings c) Major Penalties d) Deemed Suspension	
3.	Describe the procedure for procurement of Goods & Service e-Market place (GeM).	s through (10)
4.	Write Short Notes on any two:a) New Service / New Instrument or Service.b) Vote on Account.c) Cost plus Contractd) Standards of financial propriety.	(10)
5.	Write short notes on: a) Last Pay Certificate b) Increment Certificate	(10)
		[P.T.O]

(10)

6. a) How the Money is withdrawn from Government Account?

	b) What is the difference between the "Bill" and "Voucher"?	
7.	What are the Rules regarding the Combination of holidays with leave are the pay and allowances for holidays so combined regulated?	? How (10)
8.	Write short notes on the following: a) Leave not due b) Maternity Leave c) Paternity Leave d) Child Adoption Leave	(10)
9.	What are the principles governing the computation of average emolutor for pension?	iments (10)
10	.What procedure is prescribed in the Rules regarding payment of Fand Gratuity when a Government Servant attains the a superannuation, who is facing departmental or judicial proceedings?	age of
11	.What are the Rules for Sanctioning Grants and Loans under Delega power Rules, 1978?	tion of (10)
12	.What are the Rules governing the private trade of employment?	(10)
13	.What is the procedure for preparation / checking of comparative statunder e-Tendering process under CPWD Works Manual?	tement (10)
14	.What is the procedure for Execution of Contracts under CPWD Manual?	works
