



Eastern Power
Distribution Company of A.P. Ltd
ఆంధ్ర ప్రదేశ్ తూర్పు ప్రాంత విద్యుత్ పంపిణీ సంస్థ

CORPORATE OFFICE ; P&T COLONY, SEETHAMMADHARA
VISAKHAPATNAM – 530 013

RECRUITMENT NOTIFICATION

Applications are invited from the eligible candidates for filling up of 5 Nos. Assistant Engineer/Electrical posts in APEPDCL on Regular basis. Detailed notification with break-up of vacancies etc. may be viewed at APEPDCL website www.apeasternpower.com.

Place: Visakhapatnam
Date: 01.07.2014 in Eenadu
02.07.2014 in Hindu

Sd/
CHIEF GENERAL MANAGER/HRD



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CORPORATE OFFICE; P&T COLONY, SEETHAMMADHARA
VISAKHAPATNAM – 530 013:

RECRUITMENT NOTIFICATION FOR ASSISTANT ENGINEER/EL

Applications are invited On-line through APEPDCL WEBSITE www.apeasternpower.com and http:// apeasternpower.cgg.gov.in from **02.07.2014 to 26.07.2014** (Payment of Fee upto **26.07.2014 upto 01.00PM only**) from eligible candidates for filling up of the following vacancies on regular basis in APEPDCL Engineering Service.

The desirous eligible candidates may apply **ON-LINE** by satisfying themselves with the terms and conditions of this recruitment.

The break-up of vacancies for the post of Assistant Engineer/El shall be as follows :

S. No.	Category	Open	Local	Total
1	OC	1	1	2
2	OC (W)	1		1
3	BC-A (W)		1	1
4	SC (W)		1	1
	Total	2	3	5

* W= Women

** These vacancies are subject to variation at the time of recruitment based on the necessity.

*** Percentage of reservation: As per AP Government rules.

Note: The candidates belong to Visually Handicapped and Hearing Handicapped, need not apply for the post and their candidature will not be considered, as the post involves technical or harardous nature of duties and the Inter Departmental Committee, Women Development, Child Welfare & Disabled Welfare (DW) Department, Government of AP has agreed to interchange the category of visually handicapped and hearing handicapped to orthopaedically handicapped for the posts which involve technical or hazardous nature of duties. The Orthopaedically Handicapped may apply for the post.

FEE:

- Each applicant must pay Rs. 150/- (Rupees One hundred and Fifty Only) **towards Application Processing Fee (including SC/ST/BC/PH/Ex-servicemen).**
- Applicants under General category must also pay **Rs.350/- (Three Hundred and Fifty ONLY)** towards **Examination Fee** in addition to the Application Processing Fee (i.e. Rs. 150 + Rs. 350 = Rs. 500/-).

- iii) Applicants belonging to SC/ST/BC Communities of Andhra Pradesh state, need not pay Examination fee of Rs. 350/-.
- iv) Applicants belonging to PH/Ex-Servicemen are exempted for payment of examination fee of Rs. 350/-.
- v) Candidates belonging to States other than Andhra Pradesh will be considered as Non-Local in General category only, and are required to pay the above-prescribed fee (Rs. 150/- + Rs.350/-)

Mode of Payment of Fee: The Applicant should pay the prescribed Fee as per the notification in any one of the A.P. Online centers and obtain Fee paid receipt with Journal Number(12 digit) in the first instance. Applicants can also pay the fee through AP Online portal.

Submission of Application: After payment of Fee, the Candidate has to logon to the website <http://www.apeasternpower.com> and click on **APPLY ONLINE** link or directly visit <http://apeasternpower.cgg.gov.in/> to view the detailed notification, User Guide and Application Form. The applicants shall invariably fill all the relevant fields in the Application. Immediately on submission of application the Applicant will get an acknowledgement in the form of a downloadable pdf document.

Note: Application cannot be accessed unless payment details are entered by the candidate.

Starting date for Payment of Fee and Application submission is **02.07.2014**.

Last date for payment of Fee at AP Online is **26.07.2014 upto 1.00PM only**.

Last date for submission of Application is **26.07.2014 up to 7.00 P.M.**

SD/-

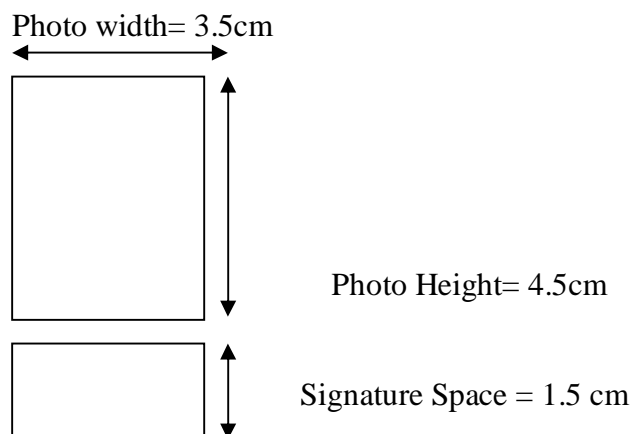
Place: Visakhapatnam

CHIEF GENERAL MANAGER/HRD

Date : 01.07.2014

INSTRUCTIONS

I. Instructions for Scanning of Photograph with Signature



1. Paste the Photo on any white paper as per the above required dimensions. Sign in the Signature Space provided. Ensure that the signature is within the box.
2. Scan the above required size containing photograph and signature. Please do not scan the complete page.
3. The entire image (of size 3.5 cm by 6.0 cm) consisting of the photo along with the signature is required to be scanned and stored in ***.jpg** format on local machine.
4. Ensure that the size of the scanned image is not more than 50KB.
5. If the size of the file is more than 50 KB, then adjust the settings of the scanner such as the dpi resolution, no. of colours etc., during the process of scanning.
6. The candidate has to sign in full in the box provided. Since the signature is proof of identity, it must be genuine and in full; initials are not sufficient. Signature in CAPITAL LETTERS is not permitted.
7. The signature must be signed only by the candidate and not by any other person.
8. The signature will be used to put on the Hall Ticket and wherever necessary. If the candidate's signature on the answer script, at the time of the examination, does not match the signature on the Hall Ticket, the candidate will be disqualified.

Sample Photo and Signature



e.g. The Technical Specifications of the sample scanned image shown above are:

- Size of the file < 50 KB
- Dpi setting = 200 dpi
- True Colour

The candidate has to upload his/her **Photo with Signature** in the prescribed format by clicking on the **browse** button at the time of submission of application form.

II) ELIGIBILITY:

- 1) **AGE**: Shall not be more than 36 years as on **01-07-2014**. Upper age limit will be relaxed up to 5 years in respect of SC/ST/BC candidates and up to 10 years in respect of P.H candidates. In respect of Ex-serviceman - 3 years & length of service rendered in the armed forces. **(The age relaxation for Ex-Servicemen is applicable for those who have been released from Armed Forces, otherwise than by way of dismissal or discharge on account of misconduct or inefficiency)**

2. EDUCATIONAL QUALIFICATIONS :

Must possess B.E/B.TECH/A.M.I.E./ Electrical & Electronics Engineering or equivalent qualification in the similar discipline from any recognized University in India.

Note:

- (i) **If there is any deviation from the above qualifications for posts, the candidate shall produce the equivalent certificate from the authority issuing the qualification certificate viz., Register of the University or Secretary of the Institute for accepting his/her application.**
- (ii) **Degrees awarded under Distance mode through study centres by other State Universities (beyond A.P. State) are not legally valid.**

III SELECTION PROCEDURE:

- i) The selection of candidates for appointment will be made 100% based on Written examination, duly following Rule of reservation and Spirit of Presidential order and also other terms notified or modified from time to time.
- ii) Only those candidates who qualify in the written examination by being ranked high, community wise will be called for verification of Original Certificates in **1:2** ratio.
- (iii) The minimum qualifying marks in the written test for the above selection process shall be as follows:

OC	-	40%
BC	-	35%
SC/ST	-	30%
Or as per Rules		

Note: Mere securing minimum qualifying marks doesn't vest, any right to a candidate for being called for verification of original certificates and by mere calling the candidate for certificate verification in the ratio 1:2 doesn't vest any right to a candidate for selection.

Note: The candidates belong to Visually Handicapped and Hearing Handicapped, need not apply for the post and their candidature will not be considered, as the post involves technical or harardous nature of duties and the Inter Departmental Committee, Women Development, Child Welfare & Disabled Welfare (DW) Department, Government of AP has agreed to interchange the category of visually handicapped and hearing handicapped to orthopaedically handicapped for the posts which involve technical or hazardous nature of duties. The Orthopaedically Handicapped may apply for the post.

IV. Details of Written Examination:

- i) **Syllabus:** The syllabus for the written examination is placed at **Annexure IV.**

- ii) **Hall Tickets:** The hall tickets will be placed on the website seven days prior to the date of examination. The candidate has to download the Hall ticket from the website only. Hall tickets will not be sent to the candidates by post. No correspondence in this regard will be entertained.
- iii) **Date of examination:** In the month of August'2014 (Tentative date 17.08.2014). "Exact date will be announced separately in website".
- iv) **Examination Centers:** The written examination for recruitment will be held at different centers located in Visakhapatnam only.

V. TERMS AND CONDITIONS OF SERVICE:

1. **Scale of Pay:** Rs. 23115-955-25025-1115-30600-1280-35720
2. **Training cum Probation:** The candidates appointed to the post shall be placed on Training-cum-Probation for a period of 2 years. During the period of Training-cum-Probation he/she will be paid the minimum of the pay scale along with admissible allowances.
3. **Place of posting:** The candidates appointed shall be required to work within jurisdiction of APEPDCL or wherever necessary.
4. The candidate will be governed by the rules and regulations applicable or as framed by the APEPDCL and as amended from time to time. The Tripartite Agreement entered into between the APSEB, Govt. of A.P and the Employees Associations is not applicable to these candidates and they shall at no stage be entitled to claim any right whatsoever arising out of the said Tripartite Agreement.

VI. EXECUTION OF BOND:

- (i) The candidates appointed will be required to execute a bond (in Non-Judicial Stamp Paper worth Rs.110/- (Rupees One hundred and ten only) at the time of joining, to serve APEPDCL for a minimum period of 5 years after completion of training – cum- probation period (2 years).
- (ii) During the above bond period the candidates will deposit his/her original certificates such as Degree, Date of Birth, and Community etc with APEPDCL. The certificate so deposited with APEPDCL shall not be returned during the above bond period.
- (iii) The candidate who leaves the APEPDCL service during the training – cum -probation period shall refund the emoluments received by him/her plus Rs. 30,000/-(Rupees Thirty thousand only) by way of liquidated damages.

- (iv) The candidate who leaves APEPDCL service without serving a minimum period of 5 years after completion of training – cum - probation period shall have to pay a sum of Rs.60,000/-(Rupees Sixty Thousand Only) by way of liquidated damages.

VII HOW TO APPLY:

HOW TO UPLOAD THE APPLICATION FORM:

- i) The Applicants have to read the User Guide for Online Submission of Applications and then proceed further.

I Step:- Payment of Fee: The Applicant should pay the prescribed Fee as per the notification in any one of the A.P. Online centers and obtain Fee paid receipt with Journal Number in the first instance. Applicants can also pay the fee through APOne portal.

II Step:- Submission of Application: After payment of Fee, the Candidate has to logon to the website [http:// www.apeasternpower.com](http://www.apeasternpower.com) and click on **APPLY ONLINE** link or directly visit <http://apeasternpower.cgg.gov.in/> to view the detailed notification, User Guide and Application Form. The applicants have to provide payment details (journal number and date) and upload the scanned copy of passport size photograph with signature (see instructions for scanning and uploading photograph with signature) and then invariably fill all the relevant fields in the Application. Immediately on submission of application, applicant will get an acknowledgement in the form of a downloadable pdf document.

NOTE:

1. The applicants are required to go through the detailed notification carefully and decide themselves as to their eligibility for this recruitment before applying and enter the particulars completely Online.
2. Candidates are required to retain a photocopy of application form with **Reference ID** for future reference.
3. Candidates shall submit the application only *through online mode* well in advance of the last date, to avoid last day rush.
4. Applications sent other than On-line mode will not be entertained.
5. Only applicants willing to serve anywhere in the jurisdiction of APEPDCL should apply.
6. For any problems related to Online submission and downloading of Hall-Tickets please contact **Help Desk No. 9246572520** (Call Time: 9.30 A.M to 1.00 P.M & 1.30 P.M to 5.30 P.M) or log on to <http://apeasternpower.cgg.gov.in/> click on to complaint box.

VIII. FEE

- i) Each applicant must pay Rs. 150/- (Rupees One hundred and Fifty Only) towards Application **Processing Fee (including SC/ST/BC/PH/Ex-servicemen)**.
- ii) Applicants under General category must also pay **Rs.350/- (Rupees Three Hundred and Fifty ONLY)** towards **Examination Fee** in addition to the Application Processing fee (i.e. Rs. 150 + Rs. 350 = Rs. 500/-).
- iii) **Applicants belonging to SC/ST/BC Communities of Andhra Pradesh state, need not pay Examination fee of Rs. 350/-.**
- iv) **Applicants belonging to PH/Ex-Servicemen are exempted for payment of examination fee of Rs. 350/-.**
- v) Candidates belonging to States other than Andhra Pradesh will be considered as Non-local in General category only and are required to pay the above-prescribed fee (Rs.150/- + Rs.350/-).

NOTE:

1. APEPDCL is not responsible, for any discrepancy in submitting through Online. The applicants are therefore, advised to strictly follow the instructions and User guide in their own interest.
2. Applicant must compulsorily fill-up all relevant **fields** of application and submit application through website only(online).
3. Incomplete/incorrect application form will be summarily rejected. APEPDCL under any circumstances will not entertain the information if any furnished by the candidate subsequently. Applicants should be careful in filling-up of the application form **at the time of submission**. If any lapse is detected during the scrutiny, the candidature will be rejected even though he/she comes through the final stage of recruitment process or even at a later stage.
4. Before payment of fee, submission of application form, the candidates should carefully ensure his/her eligibility for this **notification**. No relevant column of the application form should be left blank; otherwise application form will not be accepted.
5. The applications received online in the prescribed proforma available in the website and within the time shall only be considered and the APEPDCL will not be held responsible for any kind of discrepancy.
6. Applicants must compulsorily upload his/her own scanned photo with signature in **jpg** format only.

General

- The candidate should not furnish any false tampered, fabricated information or suppress any material information while filling up the application form.
- Candidates called for verification of certificates will be required to furnish documentary proof (Originals) in evidence of the following as and when called for.
 1. Age: Proof of age as recorded in SSC certificate or equivalent.
 2. Qualification of B.E/B.TECH/A.M.I.E./ Electrical & Electronics Engineering or equivalent qualification **in the similar discipline** from any recognized University in India.
 3. Permanent Community certificate issued by MRO in original or Original caste certificate issued by Revenue Officer not less than the rank of MRO issued on or after 01-07-2013 in respect of SC/ST & BC candidates clearly indicating the Sub-Caste and group (**Proforma in Annexure-I**).
 4. Physically Handicapped (i.e. Orthopaedically Handicapped) certificate indicating the minimum 40% of disability issued by District Medical Board.
 5. Study Certificate or Residential Certificate issued by the Officer of the Revenue Department not below the rank of Tahsildar in independent charge of Mandal as the case may be. (**Proforma in Annexure -II & III**)
 6. N.O.C from the employer (if already working in any organization).
- Candidates will be required to appear for written test as and when conducted at their own cost.
- Admission for written test or calling the qualified candidates in the written test to furnish documentary proof does not confer any right for appointment.
- The degrees awarded by the Universities/institutions that are recognized by the U.G.C, D.E.C (Under IGNOU) as the case may be shall only be considered. Degrees awarded under Distance mode through study centres by other State Universities (beyond A.P. State) are not legally valid.
- The decision of the Selection Committee/APEPDCL is final in selection and allotment of candidates.
- Disqualification:- Conviction in Criminal cases involving moral turpitude, declared insolvent.
- Physical Fitness certificate issued by a Medical Officer of the rank not less than that of Civil Surgeon **in the prescribed proforma** to be submitted at the time of joining.
- The APEPDCL reserves the right to cancel the Notification/Recruitment process at any stage without assigning any reasons.

IX) LOCAL AREA : The DISCOM (i.e. Srikakulam/Vizianagaram/Visakhapatnam/Rajahmundry (East Godavari) and Eluru (West Godavari) Circles/Districts will be regarded as Local area as defined in the Presidential order.

RESERVATION TO LOCAL CANDIDATES: Reservation to the local candidates is applicable as provided in the Rules and as amended from time to time in force on the date of notification. The candidates claiming reservation as Local candidates should obtain the required Study Certificates (from Class-IV to X) or Residence Certificate in the **Proforma in Annexure-II & III** only for those candidates who have not studied in any Educational Institutions as the case may be.

The relevant certificates may be got ready with authorized signature and kept with the candidates as and when required.

DEFINITION OF LOCAL CANDIDATE:

- (i) **“LOCAL CANDIDATE”** means a candidate for direct recruitment to any post in relation to that Local area where he/she has studied in Educational Institution(s) for not less than **FOUR CONSECUTIVE ACADEMIC YEARS** prior to and including the year in which he/she appeared for S.S.C. or its equivalent examination. If however, he/she has not studied in any Educational Institution during the above four years period, it is enough if he/she has resided in that area which is claimed as his /her Local area during the above said period.
- (ii) In case the candidate does not fall within the scope of the (i) above it will be considered if he/she has studied for a period of not less than seven years prior to and inclusive of the year in which he/she has studied for the maximum period out of the said period of seven years AND where the period of his/her study in two or more Local areas are equal such Local area where he/she has studied last (in such Local area) will be taken for determining the Local candidature. Similarly, if he/she has not studied during the above said period in any Educational Institution(s) the place of residence during the above period will be taken into consideration and Local candidature determine with reference to the maximum period of residence or in the case of equal period where he/she has resided last.
- (iii) If the claim of Local candidature is based on study, the candidate is required to produce a certificate from the Educational Institution(s) where he/she has studied during the said 4/7 year period . If, however, it is based on residence, a certificate should be obtained from an officer of the Revenue Department not below the rank of a Tahsildhar in independent charge of a Mandal. (**Proforma in Annexure- II & III**)
- (iv) If, however, a candidate has resided in more than one Mandal during the relevant 4/7 years period but within the same District or Zone as the case may be, separate certificates from the Tahsildhars exercising jurisdiction have to be obtained in respect of different areas.

NOTE:

- a. Single certificate, whether of study or Residence would suffice for enabling the candidate to apply as a “**LOCAL CANDIDATE**”.
- b. **Residence certificate** will not be accepted, if a candidate has studied in any Educational Institution up to S.S.C or equivalent examination, such candidates have to produce **study certificates invariably**.
- c. The following percentage of reservation of posts in respect of local candidates shall be followed while making direct recruitment in APEPDCL for following the spirit of Presidential Order.
“60% of the posts to be filled by Direct Recruitment shall be reserved for local Candidates in respect of Assistant Engineer/El in Engineering Service in EPDCL as unit which was declared as local area for the said post. The remaining 40% of the posts shall be filled by open competition wherein local and non local candidates can compete.”

Local Candidates	-	60%
Open Competition	-	40%

Presidential order is not applicable to Corporate Head Office posts.

ANNEXURE - I
FORM FOR COMMUNITY, NATIVITY AND DATE OF BIRTH
CERTIFICATE

Serial No.

S.C.

Seal of the
Issuing Office

District Code:

S.T.

Mandal Code:

B.C.

Village Code:

Certificate No:

COMMUNITY, NATIVITY AND DATE OF BIRTH CERTIFICATE

(1) This is to certify that Sri/Smt/Kum. _____
Son/Daughter of Sri. _____ of Village/Town
_____ Mandal _____ District _____ of
the state of Andhra Pradesh belongs to _____ Community which is recognized
as(*) S.C./S.T./B.C. sub-group _____.

The Constitution (Scheduled Castes) Order, 1950
The Constitution(Schedule Tribes) Order, 1950

G.O.Ms.No.1793, Education, dated 25.9.1970 as amended from time to time
(BCs)/SCs, STs list (modification) Order, 1956 S.Cs and S.Ts (Amendment) Act,
1976.

(2) It is certified that Sri/Smt/Kum. _____ is a
native of _____ Village/Town _____ Mandal _____
District of Andhra Pradesh.

(3) It is certified that the place of birth of Sri/Smt/Kum. _____ is
_____ Village/Town _____ Mandal _____ District of
Andhra Pradesh.

(4) It is certified that the date of birth of Sri/Smt/Kum. _____
is _____ Day _____ Month _____ Year _____
(in words) _____ as per the declaration given by his /
her/father/mother/guardian and as entered in the school records where he/she studied.

Signature:

Date:

Name in Capital Letters:

Designation:

(seal)

Explanatory Note:- While mentioning the community, the Competent Authority must
mention the sub-caste(in case of Scheduled Castes) and sub-tribe or sub-group(in case
of Scheduled Tribes) as listed out in the S.Cs and S.Ts (Amendment) Act, 1976.

ANNEXURE – II
SCHOOL STUDY CERTIFICATE

NOTE: Should be obtained from the Head of Educational Institution(s).

Name of the candidate:

Name of the School :

Admission No.

Class	Name and Place of School	District	Duration of Study giving month and year
IV			
V			
VI			
VII			
VIII			
IX			
X or SSC			

STATION:

Signature of the Head of the

DATE:

Educational Institute(s)

ANNEXURE - III

CERTIFICATE OF RESIDENCE

(To be produced by such candidates who have not studied in any educational institution during the whole or any part* of the relevant 4/7 years period but claim to be local candidates by virtue of residence for Post Codes for which there is reservation for Local Candidates)

It is here by certified

(a) That Sri/Smt/Kum _____
S/o. W/o.D/o. _____ appeared for the first time for
the Matriculation (S.S.C) Examination in _____ (Month) _____
(Year).

(b) That he/she has not studied in any educational institution during the whole/or part
of the 4/7 consecutive academic years ending with the academic years ending with the
in which he/she first appeared for the aforesaid examination.

(c) That in the 4/7 years immediately preceding the commencement of the aforesaid
examination he/she resided in the following place / places namely;

Sl.No.	Village	Mandal	District	Period
1				
2				
3				
4				
5				

OFFICE SEAL:

STATION:

DATED:

Officer of Revenue Department not
below the rank of Mandal Revenue
Officer holding independent Charge
of a Mandal.

* STRIKE OFF "WHOLE"/PART AS THE CASE MAY BE.

ANNEXURE-IV

SYLLABUS FOR THE COMPETITIVE TEST FOR THE RECRUITMENT OF ASSISTANT ENGINEERS

1. **ELECTRICAL CIRCUITS AND NETWORKS:** Kirchoff's laws, mesh and node analysis, network, theorems, sinusoidal steady state analysis of single phase and three phase circuits, resonance, transient response of RL, RC, RLC circuits for different inputs, two-port networks, elements of two element network synthesis.
2. **CONTROL SYSTEMS:** Modelling of physical systems, Block diagrams and signal flow graphs, Time and frequency domain analysis, Steady state errors, Routh's criterion, Nyquist and Bode plots, compensation, root loci, elementary ideas of state variable analysis, control system components.
3. **MEASUREMENTS AND INSTRUMENTATION:** SI units, measurement of current, voltage, power-factor and energy. Measurement of resistance inductance capacitance and frequency-bridge methods, transducers and their applications to the measurement of non-electrical quantities like temperature, pressure, strain, displacement etc., cathode ray oscilloscope.
4. **ANALOG AND DIGITAL ELECTRONICS:** Characteristics of diodes, BJT, FET, SCR, Amplifier biasing, equivalent circuits, frequency response, feedback amplifiers power amplifiers, oscillators, operational amplifiers and applications, waveshaping circuits, multivibrators flip-flops, universal gates, combinational circuits, A/D and D/A converters.
5. **ELECTRICAL MACHINES AND POWER ELECTRONIC DRIVES:** Single Phase Transformer, equivalent circuit, tests, regulation and efficiency, three phase transformer connections parallel operation, auto transformer, principle of energy conversion, windings of rotating machines, DC generators and motors, characteristics, starting and speed control, three phase induction motors performance characteristics, starting and speed control, single phase induction motors, synchronous generators, performance, regulation parallel operation, synchronous motors, starting characteristics and applications, synchronous condensers, fractional horse power motors, permanent magnet and stepper motors Characteristics of Power electronic devices, phase control, bridge converters, choppers and inverters, basic concepts of adjustable speed drives.
6. **POWER SYSTEMS:** Electrical power generation, thermal, hydro, nuclear: transmission line parameters; steady state performance of overhead transmission lines and cables, surge propagation, distribution systems, insulators, bundle conductors, corona, and radio interference effects; per-unit quantities; bus admittance and impedance matrices: load flow: voltage control and power factor correction; economic operation, symmetrical components, analysis of symmetrical and unsymmetrical faults; principles of over current, differential and distance protections, circuit breakers, concept of system stability – swing curves and equal area criterion.

MODEL QUESTIONS

1. A 15 KVA transformer has its maximum efficiency of 0.98 at upf. The iron loss is
 - A) 0.140 kW
 - B) 0.153 kW
 - C) 0.180 kW
 - D) 0.20 kW

2. Steady state stability of a power system is improved by
 - A) reducing fault clearing time
 - B) using double circuit line instead of single circuit line
 - C) single pole switching
 - D) decreasing generator inertia.

3. For a second order system, the damping ratio (δ), is $0 < \delta < 1$. Then the roots of the characteristic polynomial are
 - A) real but not equal
 - B) real and equal
 - C) complex conjugates
 - D) imaginary