

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)	BTL
1	<p>Power system security means</p> <p>(A) Security of power system when load unbalanced</p> <p>(B) Practices designed to keep the system operating when the components fail</p> <p>(C) Secure the all the generating station against the failure</p> <p>(D) Secure the all the transmission line against the failure</p>	L1
2	<p>Three major function of power system security</p> <p>(A) Economical operation,Economical Dispatch,Load scheduling</p> <p>(B) State Estimation,Economical Dispatch,Generation Scheduling</p> <p>(C) System Monitoring,Contingency analysis, Security constrained OPF</p> <p>(D) None of above</p>	L1
3	<p>Power system monitoring is usually done by</p> <p>(A) ETAP</p> <p>(B) SCADA</p> <p>(C) Matlab</p> <p>(D) PSPM</p>	L2
4	<p>SCADA means</p> <p>(A) Supervisory Control And Data Acquisition</p> <p>(B) System Control And Data Acquisition</p> <p>(C) Super Control And Data Acquisition</p> <p>(D) None of above</p>	L1

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

5	<p>Contingency analysis are used to study</p> <p>(A) Load flow study</p> <p>(B) State Estimation</p> <p>(C) Economical operation</p> <p>(D) Outage events</p>	L1
6	<p>SCOPF means</p> <p>(A) Security Constrained Optimal Power Flow</p> <p>(B) System Constrained Optimal Power Flow</p> <p>(C) Supervisory Constrained Optimal Power Flow</p> <p>(D) None of above</p>	L1
7	<p>Which of this is not representing as operating state of power system</p> <p>(A) Optimal Dispatch</p> <p>(B) Post Contingency</p> <p>(C) Security Dispatch</p> <p>(D) State Estimation</p>	L2
8	<p>Optimum dispatch is the state that</p> <p>(A) The power system is in optimum condition</p> <p>(B) The power system is in prior to any contingency</p> <p>(C) The power system is in economical mode</p> <p>(D) All of above</p>	L1

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

9	<p>Optimum dispatch state is</p> <p>(A) Secure</p> <p>(B) Partially secure</p> <p>(C) Not secure</p> <p>(D) Not define properly</p>	
10	<p>Post contingency is the state where</p> <p>(A) Power system violates its limits to the parameter define</p> <p>(B) Power system collapse</p> <p>(C) Power system doesn't run economical</p> <p>(D) Power system run in secure manner</p>	L1
11	<p>Secure dispatch is the state of power system where</p> <p>(A) Contingency outage is always present</p> <p>(B) Contingency outage is not present</p> <p>(C) Security is not present</p> <p>(D) All of above</p>	L1
12	<p>Secure post contingency is the state of the</p> <p>(A) Power system when contingency analysis is applied to the base operating condition with correction</p> <p>(B) Power system when contingency analysis is applied to the base operating condition with without correction</p> <p>(C) Power system when contingency analysis is not applied to the base operating condition</p> <p>(D) None of above</p>	L2

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

13	<p>The possible way to study thousand of possible outages is</p> <p>(A) Load flow</p> <p>(B) State estimation</p> <p>(C) Linear sensitivity factor</p> <p>(D) None of above</p>	L1
14	<p>Generation shift sensitivity factor is determined by [Where ‘i’ corresponds to bus in which the generator is connected, ‘l’ corresponds to the line under study, i.e. between the buses n and m, X_l is the reactance of the line, X_{ni} and X_{mi} all the corresponding values in the sensitivity matrix]</p> <p>(A) $a_{li} = 1/X_l X_{ni} - X_{mi}$</p> <p>(B) $a_{li} = 1/X_l X_{ni} + X_{mi}$</p> <p>(C) $a_{li} = 1/X_l X_{ni} + 2X_{mi}$</p> <p>(D) Not possible to determine</p>	L3
15	<p>System Black out means</p> <p>(A) All power systems collapse</p> <p>(B) The entire system or larger part of power system may collapse</p> <p>(C) A small part of power system is collapse</p> <p>(D) None of above</p>	L1
16	<p>Which of this power plant is started first after system black out</p> <p>(A) Thermal</p> <p>(B) Nuclear</p> <p>(C) Hydro</p> <p>(D) All of above</p>	L1

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

17	<p>National Load Dispatch Center is run by</p> <p>(A) Power Grid Corporation of India Limited (PGCIL)</p> <p>(B) Power System Operation Corporation Limited (POSOCO)</p> <p>(C) Government of India</p> <p>(D) Government of Delhi</p>	L2
18	<p>National Load Dispatch Center is situated at</p> <p>(A) New Delhi</p> <p>(B) Mumbai</p> <p>(C) Kolkata</p> <p>(D) None of above</p>	L1
19	<p>How many regional load dispatch centers are available in India?</p> <p>(A) 4</p> <p>(B) 5</p> <p>(C) 8</p> <p>(D) 10</p>	L1
20	<p>Gujarat state is under which regional load dispatch center</p> <p>(A) NRLDC</p> <p>(B) ERLDC</p> <p>(C) SRLDC</p> <p>(D) WRLDC</p>	L1

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

21	<p>North regional load dispatch center is situated at</p> <p>(A) New Delhi</p> <p>(B) Panjab</p> <p>(C) Haryana</p> <p>(D) Uttar Pradesh</p>	L2
22	<p>Western regional load dispatch center is situated at</p> <p>(A) Gujarat</p> <p>(B) Maharashtra</p> <p>(C) Div Daman</p> <p>(D) Mumbai</p>	L1
23	<p>Northan-Estern load dispatch center is situated at</p> <p>(A) New Delhi</p> <p>(B) Shillong</p> <p>(C) Bhopal</p> <p>(D) Kolkata</p>	L1
24	<p>Southern regional load dispatch center is situated at</p> <p>(A) Banglore</p> <p>(B) Chennai</p> <p>(C) Goa</p> <p>(D) None of above</p>	L1

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

25	<p>Gujarat state load dispatch center is situated at</p> <p>(A) Ahmedabad</p> <p>(B) Vadodara</p> <p>(C) Surat</p> <p>(D) Rajkot</p>	L2
26	<p>Main function of NLDC is</p> <p>(A) Prepare Policy of power grid</p> <p>(B) Prepare Grid code</p> <p>(C) Supervision over all RLDC</p> <p>(D) All of above</p>	L1
27	<p>POSOCO was formed in _____ to handle the power management function of PGCIL.</p> <p>(A) March-2010</p> <p>(B) April-2009</p> <p>(C) March-2009</p> <p>(D) December-2001</p>	L1
28	<p>The worst blackout in recent history occurred in northern India on two consecutive days in_____</p> <p>(A) 30-31July,2012</p> <p>(B) 25-26 June,2013</p> <p>(C) 20-21 March,2009</p> <p>(D) None of above</p>	L1

NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E., / EEE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : EE8702	Subject Name: Power System operation and Control	Rev. No.	02
Unit No : V	Unit Name : Computer Control of Power Systems	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

29	<p>Who coordinates for trans-national exchange of power?</p> <p>(A) NLDC</p> <p>(B) ERLDC</p> <p>(C) NERLDC</p> <p>(D) NRLDC</p>	L2
30	<p>Which of the following is called as cold reserve?</p> <p>a) Reserve capacity available but not ready for use</p> <p>b) Reserve capacity available and ready for use</p> <p>c) Generating capacity connected to bus and ready to take load</p> <p>d) Capacity in service in excess of peak load</p>	L1

