

Priyadarshini College of Engineering, Nagpur**Department of Electrical Engineering****Date of Allotment:** 08/12/2022**Session:** 2022-23 (Odd Sem)**Event:** Teacher Assessment (Unit-4)**Semester, Section:** 5th Sem B.Tech. Sec-A**Name of Subject:** Advanced Electrical Power System**Name of Faculty:** Dr. R.A. Keswani**Mode of Conduction:** Online through Google Classroom**Number of Students Participants:** 21**Objective / Purpose:**

Quiz was conducted as a part of Teachers Assessment on Unit No.5.

classroom.google.com/u/3/c/NTAyOTAwOTQyNzgw/a/NTA4NDYyNDE2Mjgy/details

5 A- AEPS- 2022-23

Instructions Student work

AEPS-QUIZ-IV
Rashmi Keswani • 8 Dec
10 points Due 8 Dec, 15:00

1. All questions are compulsory.
2. Total 10 questions of 1 mark each.
3. Max. Marks-10.
4. Time Duration- 15 mins.

Department of Electrical En...
Google Forms

Class comments

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2. The Economic Scheduling of 2 power plant without losses is achieved when both the plants have: BT Level-3

☐ equal load
☐ equal cost of generation
☒ equal incremental cost
☐ all of the above

3. ILL is given by ratio of: * BT Level-2

☐ change in cost to change in power generated
☐ change in Power demand to change in power generated
☐ change in fuel input to change in power generated
☐ change in transmission power loss to change in power generated

4. The fuel cost characteristics of generating stations are $F_1 = 150 + 15P_1 + 0.2P_1^2$ Rs/MWhr and $F_2 = 130 + 20P_2 + 0.25P_2^2$ Rs/MWhr. The assumed value of Lagrange Multiplier should be slightly higher than: BT Level-3

☐ 150
☐ 130

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Timestamp	Email address	Score	Name	Roll No.	1. Equation for Power Lo 2. The Economic Scheduling
08/12/2022 18:32:17	animeshchhap@gmail.com	2/10	2. Aniket Adhal	127	$P_L = 811P_1^2 + 4812P_1$ equal load
08/12/2022 18:54:07	anuragangaw03@gmail.com	5/10	5. Anurag Jangde	128	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 14:51:58	anyajambhulkar@gmail.com	3/10	3. Anya pramdas jambhulkar	129	$P_L = 811P_1^2 + 4812P_1$ equal cost of generation
08/12/2022 15:28:15	ibhulashan2000@gmail.com	4/10	4. Bhulashan Binay Chavhan	130	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 15:15:21	ibhulashan2000@gmail.com	6/10	6. Bhulashan Binay Chavhan	131	$P_L = 811P_1^2 + 4812P_1$ equal incremental cost
08/12/2022 15:27:42	chiranjib341@gmail.com	4/10	4. Chiranjib Patil Bala	132	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 14:54:03	gauravbhosale994@gmail.com	2/10	2. David Gauravhan	133	$P_L = 811P_1^2 + 4812P_1$ equal cost of generation
08/12/2022 14:05:05	haryashan78@gmail.com	3/10	3. Dilip Karmad Haryashan	134	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 14:54:04	haryashan78@gmail.com	2/10	2. Dipam Karmad Baskle	135	$P_L = 811P_1^2 + 4812P_1$ equal load
08/12/2022 14:40:01	haryashan78@gmail.com	4/10	4. Ganesh Raju Sindam	136	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 15:15:55	haryashan78@gmail.com	1/10	1. Harsh Datta	137	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 15:40:05	haryashan78@gmail.com	4/10	4. Haryashan78@gmail.com	138	$P_L = 811P_1^2 + 4812P_1$ equal incremental cost
08/12/2022 14:44:42	mohtashamkhan2001@gmail.com	3/10	3. Mohan Suresh Khanke	139	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 15:29:38	chavhanmukund@gmail.com	3/10	3. Mukund prakash Chavhan	140	$P_L = 811P_1^2 + 4812P_1$ equal load
08/12/2022 18:44:01	namit10@gmail.com	5/10	5. Namit Sunil Jambhulkar	141	$P_L = 811P_1^2 + 4812P_1$ equal incremental cost
08/12/2022 15:30:17	nirajajugade@gmail.com	3/10	3. Niraj Rajesh Jugade	142	$P_L = 811P_1^2 + 4812P_1$ equal load
08/12/2022 14:42:14	pavanbaragade26@gmail.com	4/10	4. Pavan baragade	143	$P_L = 811P_1^2 + 4812P_1$ all of the above
08/12/2022 15:14:06	prabhashan20@gmail.com	4/10	4. Prabhashan Shahane	144	$P_L = 811P_1^2 + 4812P_1$ equal incremental cost
08/12/2022 15:13:21	prajwalkeas2000@gmail.com	3/10	3. Prajwal Keas	145	$P_L = 811P_1^2 + 4812P_1$ equal incremental cost

Quiz Paper and Response Sheet attached seperately.**Remarks/Conclusion:** 10 MCQs on unit-5 were asked to be solved in 10mins*R.A. Keswani*