Name: **Enrolment No:**	UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Power Economics **Semester: II**
Programme: MA Economics **CC: ECON 7008**
Time: 03 hrs. **Max. Marks: 100**
Instructions: Read carefully all the instructions in all sections before you answer

SECTION A
Answer all questions

S. No.		Marks	CO
Q 1	What is meant by Captive Power Plants	**2**	**CO1**
Q2	Define Open Access	**2**	**CO2**
Q3	Mention two important goals of recent power sector reforms in India	**2**	**CO2**
Q4	Mention two important functions of CEA	**2**	**CO2**
Q5	What is the importance of Multi-Year-Tariff (MYT)-framework	**2**	**CO3**
Q6	Why SCADA is used by POSOCO?	**2**	**CO4**
Q7	Mention two important benefits of competition in power sector	**2**	**CO3**
Q8	What are the six greenhouse gases listed in Annex A of the Kyoto Protocol	**2**	**CO3**
Q9	Define leakage under CDM protocol	**2**	**CO3**
Q10	Which section of the Electricity Act 2003 deals with Regulatory Comission?	**2**	**CO1**

SECTION B
Answer any four

Q 1	Distinguish between Nominal Tariff, Discounted Tariff and Levelised Tariff	**5**	**CO4**
Q2	Write a short note on Power Trading	**5**	**CO1**
Q3	Which is the most scientific method of demand forecasting? Discuss	**5**	**CO3**
Q4	Is cross subsidy in power sector justified?	**5**	**CO4**
Q5	Discuss the Role of NITI Aayog in policy formulation for Power sector in India	**5**	**CO3**

SECTION-C
Answer any two questions

Q 1	What is CDM? Critically discuss the reasons of failure of CDM mechanisms? Discus the objections of COP21.	**15**	**CO3**
Q2	Analyze the overview of Power Distribution. What are the issues in the power distribution in India at present? Discuss.	**15**	**CO4**
Q3	Discuss the market structure of power transmission in India.	**15**	**CO4**
SECTION-D			
Q1	Discuss the salient features of Electricity Act 2003. What are the recent amendments made in Electricity Act 2003?	**30**	**CO4**

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SECTION A
Answer all questions

S. No.		Marks	CO
Q 1	Which section of the Electricity Act 2003 deals with Power Generation	**2**	**CO1**
Q2	How many members are there in Appellate Tribunal?	**2**	**CO2**
Q3	Does Appellate Tribunal hear cases against CERC/SERC?	**2**	**CO2**
Q4	Who is the adviser to the CERC?	**2**	**CO2**
Q5	Should consumer tariff reduce cross subsidy progressively? Which section of the Electricity Act deals with this?	**2**	**CO3**
Q6	What is the objectives of National Common Minimum Program (NCMP)?	**2**	**CO4**
Q7	What is the most important challenge of power sector reform in India?	**2**	**CO3**
Q8	Mention two Reasons of T & D losses	**2**	**CO3**
Q9	What is the function of Designated Operation Entity (DOE)?	**2**	**CO3**
Q10	Define Project Boundary	**2**	**CO1**

SECTION B
Answer any four

Q 1	Why transmission and distribution losses in India is highest in the world? Discuss	**5**	**CO4**
Q2	Which method of energy demand forecasting is most scientific? Discuss the method of energy demand forecasting is being used by CERC for energy demand and why	**5**	**CO3**
Q3	Analyze implication of COP 21 and COP22 for Indian Power sector	**5**	**CO3**
Q4	Discuss the tariff principles as mentioned in the Electricity Act 2003.	**5**	**CO4**
Q5	Substantiate the reasons for failure of Kyoto Protocol and CDM mechanism.	**5**	**CO3**

SECTION-C
Answer any two questions

Q 1	Discuss the market structure of power transmission in India.	**15**	**CO3**
Q2	Analyze the issue of subsidy and cross-subsidy in power tariff. Should subsidy be continued for power sector in India?	**15**	**CO4**
Q3	Critically examine the recent power sector reforms in India.	**15**	**CO4**
SECTION-D			
Q1	Analyze critically the market development, rural electrification and consumer Protection with reference to the Electricity Act 2003	**30**	**CO4**