

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2018**  
**Name of Program –MBA Power Management**

**Course title – Power Pricing & PPA**

**3<sup>rd</sup> Semester**

**Course Code –PIPM -8003**

**Max. Marks – 100**

**Instructions:**

**SECTION A**  
**Attempt all questions**

QNo.	Question Description	Marks	CO
1	Evaluate the role of open access as per the Electricity Act 2003.	2	CO1 & CO3
2	Why it is PPA – not called as power selling agreement? Explain.	2	CO1
3	Critically evaluate cross subsidy surcharge.	2	CO2 & CO3
4	What do you mean by term COD? Define as per EA 2003.	2	CO1
5	What is current installed generating capacity in India and Units generated in 2017-18?	2	CO2
6	What do you mean by regulatory assets?	2	CO2, & CO3
7	Why secondary fuel charge has now become part of the fixed charge?	2	CO2
8	What are capacity charge components for a thermal plant?	2	CO1 & CO2
9	Give full form of PPP, FSA and ATE.	2	CO1
10	What do you mean by NIT, RfQ and RfP.	2	CO1 & CO2

**SECTION B**  
**Write short notes**

1	UI Charges.	4	CO2 & CO3
2	Force majeure in PPA	4	CO3 & CO3
3	Wheeling charge	4	CO2
4	Collateral arrangement	4	CO3
5	Escrow Account	4	CO2, & CO4
<b>SECTION-C</b>			
<b>Attempt any TWO Questions</b>			
1	What are major proposed amendments in the Electricity Act 2003 in recently drafted proposal by MoP Govt. of India? Critically evaluate five of them.	15	CO3, CO4 & CO5
2	What are the Financial, Technical and Legal aspects of Power purchasing in India? Explain.	15	CO4 & CO5
3	Calculate tariff of a hydro-electrical power project with 5000MW capacity in Uttarakhand as proposed at Pancheshwar with CERC guidelines, assuming everything as per CERC norms & regulations.	15	CO3 & CO4
<b>SECTION-D</b>			
1	Draft a model PPA for 100MW power for 25 years duration in between forthcoming UMPP at Bedabahah in Orissa and Utrrakhand Power Corporation Ltd.(UPCL).	30	CO5

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**SECTION A**  
**Attempt all questions**

QNo.	Question Description	Marks	CO
1	Electricity Act 2003 has 16 parts and 185 sections. (True/False)	2	CO1
2	Why there is a proposal for segregation of Supply from Distribution business? Explain.	2	CO1 & CO3
3	Why transportation of coal is not preferred? Evaluate Pit-head TPP Vs Load centric-TPP.	2	CO2 & CO3
4	Who is current Secretary for new & renewable energy in Govt. of India and Govt of Uttarakhand?	2	CO1
5	The Electricity Act 2003 is not in vogue in -----.	2	CO1
6	National Tariff Policy 2006 was notified by -----	2	CO1
7	The Electricity Act 2003 has not repealed the Energy Conservation Act 2001. Why?	2	CO2
8	Marginal Participation (MP) Method – explain in short.	2	CO2 & CO3
9	What do you mean by “force-majeure”? Explain.	2	CO2

10	Explain SOC, SHR & GCV.	2	CO2
<b>SECTION B</b>			
<b>Write short notes( Attempt any FOUR Questions)</b>			
1	Explain open access in T&D.	5	CO1& CO2
2	Explain BST & RST in Power Distribution.	5	CO1
3	What are capacity charge components for a thermal power plant as per CERC regulation?	5	CO2
4	What is ABT? Explain UI charge. What are new things added in DSM.	5	CO1 & CO2
5	What do you mean by cross-subsidy? Explain its need and misuses.	5	CO1 & CO3
<b>SECTION-C</b>			
<b>Attempt any TWO Questions</b>			
1	Discuss most critical Fuel-Risk Mitigation Strategy in power purchase agreement taking examples of Coastal TPP in Mundra. Critically evaluate and suggest optimal solution as per you for anyone of them.	15	CO3, CO4 & CO5
2	Explain main features of concept paper on Tariff Regulation for 2019-24 recently published by CERC. Critically evaluate proposed three-part tariff for TPP.	15	CO4 & CO5
3	Calculate tariff for 500 MW TPP in Jharkhand assuming everything as per CERC & JERC latest norms.	15	CO3, CO4 & CO5
<b>SECTION-D</b>			
1	Write a model PPA between UJVNL and Utrakhand Power Corp. Ltd. (UPCL) for 100 MW power purchase for 25 years.	30	CO4 & CO5