

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2020

Program: BALLB Energy Law (B1 & B2)

Semester – V

Subject (Course): Economics of Power Sector

Max. Marks: 100

Course Code : CLNL3007

Duration: 3 hrs

No. of page/s: 2

SECTION A

1. Each Question will carry 5 Marks

2. Attempt all Questions

		Marks	CO
Q 1	Complete the Abbreviations i. RLDC ii. PLF iii. PAF iv. NTPC v. CEA	5	CO1
Q2	Fill in the blanks 1. Electricity Act 2003 replaced _____, _____ & _____ Acts 2. Specific coal consumption is calculated by _____ divided by _____	5	CO2
Q3	Name any 5 Demand Side management methodology	5	CO1
Q4	Name the factors we have to consider to do economic evaluation of solar rooftop PV system. (No need to explain each factor)	5	CO3
Q5	Define Energy and Power.	5	CO1
Q6	a. Which is the largest Hydro Power plant in the world? b. Which country generates maximum electricity with help of Nuclear Resources?	5	CO1

SECTION B

1. Each question will carry 10 marks

2. Instruction: Write short / brief notes

Q7	Draw Value chain and block diagram of a Solar PV power Plant.	10	CO2
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	Or Draw Value chain and block diagram of a Hydro power Plant.		
Q8	Explain Agriculture DSM Policies and reasons behind DSM policies in rural belt.	10	CO4
Q9	What are the characteristics of Natural monopoly Market? Why States Discoms are Natural Monopoly in nature in India?	10	CO2
Q10	Analyze Single buyer Model, Wholesale Buyer Model and Retail Model with suitable diagram.	10	CO2
Q11	Apply the knowledge of power economics and predict what sort of Electricity policy change we can expect in India. Explain Or Explain Generic Tariff and Specific Project based tariff	10	CO3
SECTION-D			
1. Each Question carries 20 Marks.			
2. Instruction: Write long answer.			
Q12	Explain in detail and analyze why India should focus on building Renewable Energy, Energy Conservation, E-Vehicle and Energy Storage.	20	CO4