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Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2020

Program: MBA Power Management

Subject (Course): Fuel and Water resources Management

Course Code : PIPM8001

No. of page/s: 2

Semester – III Max. Marks: 100 Duration: 3 hrs.

SECTION A

- 1. Each Question will carry 5 Marks
- 2. Instruction: Attempt all questions

		Marks	CO
Q 1	State the Calorific value of the types of Non-coking Coal: i. G1 ii. G4 iii. G17 iv. G7 v. G6	5	CO2
Q2	Complete the abbreviations 1. FOB 2. CIF 3. GAR 4. NAR 5. OPEC	5	CO1
Q3	Name the Basic Oil Refinery Economic constraints.	5	CO1
Q4	, & are the Input Refinery value drivers	5	CO2
Q5	, & are the sustainable water options for an urban area	5	CO2
Q6.	& are the general way of generating Hydrogen for fuel	5	CO2
	SECTION B		
Q7	What is ultimate and proximate analysis of coal? Explain in detail the ultimate analysis.	10	CO3
Q8	Analyze Crack Spread and explain the calculation with suitable example.	10	CO3

	How a business model can be developed for round the clock power supply by mixing various energy resources. Mention the challenges and their mitigation policy also.	20	CO4
	SECTION-C Question carries 20 Marks. ruction: Write long answer.		
	Analyze the coal stocking policy?		
	Or	10	CO3
Q11	Analyze the Shakti Policy?		
	Explain the Hydrogen Economy		
	Or		CO4
Q10	Analyze and Explain Activity effect, Structural effect and energy intensity change and its implication in framing Energy Policy		
Q9	Explain Water balance in a typical Indian City and what sort of policy and technology interventions is needed to resolve it		CO3