


| Name:   |  |  |     |
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| Enrolment No:   |  |  |     |
| <b>UPES</b><br><b>Supplementary Examination, December 2023</b>                                      |  |  |     |
| <b>Course: Energy Economics</b><br><b>Program: BALL.B.(Hons.)</b><br><b>Course Code: CLNL3008P</b>  |  | <b>Semester : V</b><br><b>Time : 03 hrs.</b><br><b>Max. Marks: 100</b>             |     |
| <b>Instructions: All questions are compulsory. Kindly attempt all parts of a question together.</b> |  |  |     |
| <b>SECTION A</b><br><b>(5Qx2M=10Marks)</b>  |  |  |     |
| S. No.  |  | Marks  | CO  |
| Q 1.  | Explain the significance of OPEC in the world oil markets and its influence on oil and gas policies.               | 2  | CO1 |
| Q 2.  | Explain cross subsidy in the context of energy utilities?  | 2  | CO1 |
| Q 3.  | Explain the factors contributing to the rising oil prices and its implications for the global economy.             | 2  | CO1 |
| Q 4.  | Explain obstacles shale gas companies encounters.  | 2  | CO1 |
| Q 5.  | Write a note on transition from NELP to HELP.  | 2  | CO1 |
| <b>SECTION B</b><br><b>(4Qx5M= 20 Marks)</b><br><b>Short answer type questions</b>                  |  |  |     |
| Q 6.  | Analyze the economic aspects of the Indian upstream sector in the context of hydrocarbons.                         | 5  | CO2 |
| Q 7.  | Discuss the key elements of the natural gas market, including the factors influencing retail pricing issues.       | 5  | CO2 |
| Q 8.  | Explore the concept of computing profitability in the oil and gas industry, emphasizing the importance of margins. | 5  | CO2 |
| Q 9.  | Evaluate the economic challenges associated with electricity markets and competition.                              | 5  | CO2 |
| <b>SECTION-C</b><br><b>(2Qx10M=20 Marks)</b><br><b>Long answer type questions</b>                   |  |  |     |
| Q 10.   | Examine the regulatory framework for the distribution of electricity and its impact on the energy value chain.     | 10   | CO3 |

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| Q 11.   | Assess the economic considerations involved in estimating energy costs, highlighting the factors that contribute to cost variations.   | 10 | CO3 |
| <b>SECTION-D</b><br><b>(2Qx25M=50 Marks)</b><br><b>Case study-based questions</b> |  |    |     |
| Q 12.   | <p>A country with significant mineral resources is facing challenges in optimizing its mineral taxation policies. The government aims to maximize revenue while ensuring a fair and stable environment for mineral exploration and extraction companies. However, there is concern about the potential negative impact on the industry's competitiveness.</p> <p>Discuss as a mineral economist, and Propose a taxation strategy that balances revenue generation with industry growth .</p>   | 25 | CO4 |
| Q 13.   | <p>Country Grassia's invasion of Country Hukraine has had a deep human, economic and business impact. It has disrupted lives and livelihoods, as well as supply chains, industries, and economies. The energy industry, like all others, is now operating in an uncertain environment. Oil prices were rising globally even prior to the full escalation of the war. However, when Grassia attacked Hukraine, the price of crude oil in the global market skyrocketed from around \$76 per barrel at the start of January 2022 to over \$110 per barrel on 4 March 2022.</p> <p>Discuss the role of rising oil prices, examining the trajectory from \$76 per barrel in January 2022 to over \$110 per barrel on 4 March 2022, and its implications on supply chains, industries, and economies worldwide. Provide insights into how this geopolitical event has created uncertainty in the energy sector and affected oil markets globally.</p> | 25 | CO4 |