


<b>Name:</b>	
<b>Enrolment No:</b>	

<b>Course : Energy Business &amp; Energy Policies</b>	<b>Semester: 1</b>
<b>Programme: LLM-Energy Law</b>	<b>CC:CLEL 7009</b>
<b>Time: 03 hrs.</b>	<b>Max. Marks: 100</b>
<b>Instructions:</b>	

**SECTION - A ( Definitions )**


Q. No.	wr	Marks	CO
1	Define upstream , Mid stream & down stream O&G operations in India ?	2	CO1
2	Write short Note on ADB International Tendering & Bidding Processes to create competitive O&G markets	2	CO2
3	Define Geothermal energy & it's prospects in India.	2	CO2
4	Which country in the world is leveraging maximum renewable energy sources & how much in terms of it's overall Energy Basket .	2	CO3
5.	Define the significance of NSG Group for Indian Nuclear Industry and the associated future Challenges..	2	CO4

**SECTION B ( short answer question )**

Q	Answer any four of the following five questions .		
6	What is Bio Ethanol . Discuss it's relevance to O&G Business.	5	CO2
7	Describe major Coal types with diagnostic properties	5	CO1
8.	Write short Note on Hydro Energy Power issues in India and way forward .	5	CO3
9	Describe the significance of IAEA and it's relevance to India & the world .	5	CO4

10	Write short on Nuclear proliferation ie NPT Treaty .	5	CO1
<b>SECTION-C ( descriptive/analytical question )</b>			
Q	Answer any two of the following three questions.		
11	Discuss & Critically Analyse the salient features of Atomic Energy Act 1962 Act .	10	CO3
12	Analyse & elaborate the main features of Renewable Energy Laws 2015 and underlying policy of India and their impact on the renewable industry in India .	10	CO4
13	Explain the origin, composition and various functions of Atomic Energy Regulatory Board ( AERB ) of India. Also highlight the main legal framework concerns of the CAG report of ( 2012-13 )about the working of this body.	10	CO4
<b>Section D (Case Studies/Application based questions )</b>			
Q	Read the following two para & Answer the underlying Questions . Each question carries 5 marks.		
14	25	CO3/4	

15	<p><b>Case Discussion : Pros &amp; Cons of Coal Industry shaping up in India for it's robust energy security :</b></p> <p>Achieving energy security which is needed not only for higher GDP growth but also for assuring inclusive growth to all her citizens and ensuring environmental security. Coal meets not only commercial energy needs but also ensures lesser dependency on nearby forest areas for collection of firewood • Coal mining and coal consumption are environment unfriendly. There are negative social impacts as well, such as displacement and lost livelihoods • Coal usage in India also has impacts beyond India. In 2011, though India's annual per-capita CO2 emissions at 1.6 tons was considerably lower than the global average of 4.9 tons, India was the world's third largest emitter of CO2 with 1,970 million tons. Of this, coal usage contributed about 970 million tons, or about 49.24% of India CO2 emissions • India needs coal but coal mining and subsequent usages of coal has adverse impact on climate which may risk various forest types</p> <p>Para Questions :</p> <p>A. How can we make Indian coal sector globally competitive and thus enhance our energy security.</p> <p>B. How can we achieve higher GDP growth and inclusive growth in India through proper Coal resource utilization.</p> <p>C. Explain the geological occurrence of Coal in India along with the recoverable reserves. How can we make coal mining &amp; consumption more environmental</p> <p>D. With vast coal resource &amp; reserves in India , why should we still be importing coal for our Industry. Are india's recent Coal sector reforms helping in it .</p> <p>E. How can we reduce the adverse climatic &amp; enviroental impact of coal Industry in India. How does Indian Coal laws support the same .</p>	25	CO2/3
----	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----	-------

<b>Name:</b>	
<b>Enrolment No:</b>	

<b>Course : Energy Business &amp; Energy Policies</b>	<b>Semester: 1</b>
<b>Programme: LLM-Energy Law</b>	
<b>Time: 03 hrs.</b>	<b>Max. Marks: 100</b>
<b>Instructions:</b>	

**SECTION A**

Q. No.	Write short notes on the following	Marks	CO
1	Write short note on salient features of O&G Exploration , Development & Production operations ?	2	CO1
2	Define Solar Renewable Energy Generation potential of India.	2	CO1
3	Write short note on the Coal Exploration/Mining & underlying Societal Issues	2	CO4
4	Explain the key attributes of ADB tendering & bidding process .	2	CO4
5.	Describe Organization set up of India Nuclear Industry.	2	CO2

**SECTION B ( short answer question )**

Q	Answer any four of the following five questions .	Marks	CO
6	Write short note on the status of potential Wind Energy renewable Industry in India.	5	CO4
7	Describe the major Coal Occurences in India and their properties.	5	CO2
8.	Describe the prime significance of IAEA in the Nuclear Energy world .	5	CO1
9.	Write short note on recent policy changes in Hydropwer sector in India.	5	CO3
10.	Describe the Geothermal Energy potential in India.	5	CO1

<b>SECTION-C ( descriptive/analytical question )</b>			
Q	Answer any two of the following three questions .		
11	Discuss & Critically Analyse the salient features of Atomic Energy Act 1962 Act . Examin the scope of possible improvements in the appellate tribunal in the Act.	<b>10</b>	<b>CO3</b>
12	Describe & critically Analyse the salient features of Renewable Energy Laws 2015 of India and their impact on renewable industry citing an example	<b>10</b>	<b>CO4</b>
13	Examine & elaborate the Role of Atomic Energy Regulatory Board ( AERB ) in Regulating the Nuclear Industry of India. Examine the scope of improvement in Technology Upgradation Field of the regulator.	<b>10</b>	<b>CO4</b>
<b>SECTION-D ( case studies /application based questions )</b>			
Q	Read the Paragraphs & Answer all the para questions .		
14	<b>Case Discussion : Pros &amp; Cons of Coal Industry shaping up in India for it's robust energy security : CO2/CO3</b>  Achieving energy security which is needed not only for higher GDP growth but also for assuring inclusive growth to all her citizens and ensuring environmental security.  Coal meets not only commercial energy needs but also ensures lesser dependency	<b>30</b>	<b>CO3</b>

	<p>on nearby forest areas for collection of firewood • Coal mining and coal consumption are environment unfriendly. There are negative social impacts as well, such as displacement and lost livelihoods • Coal usage in India also has impacts beyond India. In 2011, though India’s annual per-capita CO2 emissions at 1.6 tons was considerably lower than the global average of 4.9 tons, India was the world’s third largest emitter of CO2 with 1,970 million tons. Of this, coal usage contributed about 970 million tons, or about 49.24% of India CO2 emissions • India needs coal but coal mining and subsequent usages of coal has adverse impact on climate which may risk various forest types</p> <p>Para Questions :</p> <p>A. How can we make Indian coal sector globally competitive and thus enhance our energy security.</p> <p>B. How can we achieve higher GDP growth and inclusive growth in India through proper Coal resource utilization.</p> <p>C. Explain the geological occurrence of Coal in India along with the recoverable reserves. How can we make coal mining &amp; consumption more environmental</p> <p>D. With vast coal resource &amp; reserves in India , why should we still be importing coal for our Industry. Are india’s recent Coal sector reforms helping in it .</p> <p>E. How can we reduce the adverse climatic &amp; enviroental impact of coal Industry in India. How does Indian Coal laws support the same .</p>		
15	Critically Analyse the key features of national gas pricing model at in India . Analyse the Role of MOPNG in it . What should India do to create more competition in O&G Industry ?	<b>10</b>	<b>CO1</b>
16	Discuss and examine the Civil Nuclear Liability & damage Rules 2011 of India and their global relevance .	<b>10</b>	<b>CO2</b>