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UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM & ENERGY STUDIES

Online End Semester Examination – May, 2021

Program: BBA Oil & GAS
Subject/Course: Oil & Gas Storage and Transportation
Course Code: OGOG 1002

Semester: II
Max. Marks: 100
Duration: 3 Hours

SECTION- A

Each Question will carry 5 Marks

S.No. Question

I) Which of the following is a nonrenewable energy resource?

- solar
- methane
- hydro
- electric
- coal

II) The amount of oil that may become available for use is called oil _____.

- reserves
- reservoirs
- resources
- traps

III) A coal deposit that is not economical to mine today would be considered part of our _____.

- Coal reserves
- coal resources
- coal reservoirs
- none of these

IV) What is the leading source of energy used in the United States today?

CO2

	<p>coal</p> <p>oil resources</p> <p>natural gas</p> <p>nuclear power</p> <p>V) The first oil well was drilled in the United States in _____.</p> <p>1829</p> <p>1859</p> <p>1929</p> <p>1959</p>	
Q.2	<p>I) Which country contains about 50% of the world's coal resources?</p> <p>United States</p> <p>China</p> <p>Canada</p> <p>the former Soviet Union</p> <p>II) In the United States, coal resources should last approximately _____ years at the current rate of use.</p> <p>25</p> <p>100</p> <p>400</p> <p>2000</p> <p>III) Which of the following problems is associated with the burning of coal?</p> <p>acid rain</p> <p>carbon dioxide</p> <p>emissions ash with toxic metal impurities</p> <p>all of these</p> <p>IV) Oil derived from coal, oil shales or tar sands is called _____.</p> <p>natural gas</p>	CO3

	<p>biomass syncrude none of these</p> <p>V) About how many nuclear power plants are there in the US?</p> <p>10 100 250 500</p>	
Q.3	<p>I) Which of the following rock types would most likely be the best oil reservoir?.</p> <p>granite shale sandstone salt</p> <p>II) In an oil trap formed by an anticline, _____ accumulates on top, _____ in the middle, and _____ at the bottom.</p> <p>natural gas oil groundwater ground water oil natural gas oil groundwater natural gas oil natural gas ground water</p> <p>III) Two-thirds of the world's known oil reserves are located in _____.</p> <p>Siberia Gulf of Mexico and Caribbean the middle East Indonesia</p> <p>IV) The world has the least amount of which of the following fuel types..</p> <p>oil coal</p>	CO2

	<p>uranium</p> <p>there are roughly equal amounts of each of these fuels</p> <p>V) At the current rate of world use, the remaining oil will be depleted in approximately _____ years.</p> <p>25</p> <p>100</p> <p>400</p> <p>2000</p>	
<p>Q.4</p>	<p>I) Which of the following statements regarding the nuclear accident at Chernobyl in the Ukraine in 1986 is false?</p> <p>radioactive debris was blown into Scandinavia and western Europe</p> <p>hundreds of square miles of land surrounding Chernobyl was contaminated and made uninhabitable</p> <p>food supplies in many countries had to be purified in order to be consumed</p> <p>excess deaths from cancer may be in the thousands over the next 40 years</p> <p>II) Most of the uranium ore in the United States is located in the _____</p> <p>Appalachian Mountains</p> <p>Basin and Range</p> <p>Colorado Plateau</p> <p>Great Lakes</p> <p>III) The primary barrier to using solar energy in the United States is that _____</p> <p>solar power is not technically feasible</p> <p>solar power causes major pollution problems</p> <p>solar power is not economically competitive with other energy sources</p>	<p>CO3</p>

	<p>all of these</p> <p>IV) Hydroelectric energy provides about _____ of the energy consumed annually in the United States.</p> <p>4%</p> <p>12%</p> <p>30%</p> <p>65%</p> <p>V) Solar energy stored in material such as wood, grain, sugar, and municipal waste is called _____.</p> <p>fossil fuels</p> <p>biomass</p> <p>geothermal energy</p> <p>natural gas</p>	
<p>Q.5</p>	<p>I) What type of energy is derived from heated groundwater?</p> <p>solar energy</p> <p>geothermal energy</p> <p>hydroelectric energy</p> <p>nuclear energy</p> <p>II) The largest geothermal power plant in the United States is located near which city?</p> <p>Chicago</p> <p>Los Angeles</p> <p>New York</p> <p>San Francisco</p> <p>III) The Geysers produce enough electricity to meet what portion of the needs of San Francisco?</p> <p>10%</p>	<p>CO3</p>

	<p>25%</p> <p>50%</p> <p>75%</p> <p>IV) The world faces an energy crisis because _____.</p> <p>world demand for energy will increase</p> <p>world oil production will peak and begin to decline</p> <p>shortages and the resulting escalation of prices can shock the economic and political order</p> <p>all of the above</p> <p>V) All oil traps contain _____.</p> <p>an impermeable layer</p> <p>an anticline</p> <p>a fault</p> <p>all of these</p>	
Q.6	<p>Fill In the Blanks:</p> <p>Oil, coal and natural gas supply approximately _____ % of the energy used in the United States</p> <p>Chemical reactions triggered by _____ transform organic material into hydrocarbons.</p> <p>Energy resources derived from natural organic materials are called _____.</p> <p>A permeable rock that contains hydrocarbon fluids and gasses is called a(n) _____</p>	CO2

	In an oil trap formed by an anticline, _____ accumulates on top, _____ in the middle, and _____ at the bottom.	
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SECTION- B

Each Question will carry 10 Marks

Q.1	Analyze the outsourcing strategy with respect to Oil & Gas transportation and storage of petroleum-finished products in India.	CO3
Q.2	Evaluate the dynamic pricing which is following by Indian petroleum companies and find out its benefits vs losses with respect to Oil & Gas storage and transportation.	CO2
Q.3	Explain FIFO LIFO system and how the petroleum sector organisation utilised them for susutainability of business.	CO2
Q.4	Analyze the followings Petroleum sector organization's with examples: a. Integrated Oil & Gas organizations. b. Independent Oil& Gas organizations.	CO1
Q.5	Describe the different modes of transportations of Oil and Gas with their ten examples.	CO2

SECTION- C

Each Question will carry 20 Marks

Q.1	Saudi Arabia's Capital Market Authority (CMA) on 18 August issued new rules allowing foreign investors to buy shares directly in initial public offerings (IPOs).The change is part of a broader aim to lower Saudi Arabia's overreliance on oil export revenue and help the government earn billions of dollars by selling some of their state-owned assets. One of these assets is the Saudi Arabian Oil Co., or Aramco, which has an estimated	CO3
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value of around US\$2 trillion? The government expectsto earn as much as US\$100 billion by selling 5 percent of Aramco in an IPO expected to take place in 2019 .

Q. As per above case Saudi organization facing problems due to oil pricing. Is it an encouraging step for the organization to issue the IPO like this? What will be the impact on supply chain of SAUDI ARAMCO.