	<u> </u>	musu .
	APPLIED (A) SS PP-2	2021
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1.	4 bractions with carling range of	tained
7	bom bractimal distillation of hetre	leum?
	The hour bractions obtained fro	222
	Fractions with carlin range of from fractional distillation of petro. The four fractions obtained from petroleum which are used as ful	els ares
	Grasoline • Kerosene	
	Diesel Oil Petrol	
	Reformings	
	The process which is designed to	incre as
	the volume of gasoline that can	
	produced from the barrel of crud	e oil.
	Hydrocarbons in naphtha stream	have
1	roughly the same number of ca	rlion
	atoms as those in gasoline, but	
	structure is generally more comp	0
3.	Catalylic cracking:	
	A process in which complex hyo	bracarbo
	are broken down into simpler me	Lecules.
	It breaks complex hydrocarlons	1
	simpler molecules in order to in	sease
	the quality and quantity of le	
	more desirable products and decre	ase
	the amount of residuals.	
4.	Products of refining:- After crude oil is removed from	
	After crude oil is removed from	the
Cathor.		

ground, it is sent to a regimery where different parts of the crude oil are separated into usealle petroleum products. These products include gasoline, distillates such as diesel fuel and heating oil, jet fuel, hetrochemical peedstocks, waxes, Subricating oils and asphalt. 5. Why desalting of crude oil is important? It is the first regining process applied to crude oil. The process removes salt, water and solid particles that would such as corrosion, bouting of equipment or poisoning of 6. Bleaching of The pracess of making fully white to improve printing groperties and its ability to absorb liquids. Bleaching also attacks some contaminants to reduce stray dark colored particles in the final sheet of paper Soda Julhing: The method which is mainly used for processing annual crops such

as straws, bagasse and hardwood. In fact, the alkaline process of delignification in soda pulping is quite comparable to the Krapt method with the exception of sulpur content. Sodium hydroxide (NaOH) is used generate an aqueous alkaline medium. Why is wheat strow preferred over rice straw for paper full? because the use Beating process of Fraker production? The beating process of paper production modification of filters can be formed into paper or learned of the desired properties It is the important unit process, when preparing paper making fileers for high-quality

How paper pulp manufacturing causes water pollution?

Its discharge contains alcohols and chelating agents and inorganic materials like chlorates and transition metal compounds. Nutrients such as nitrogen and phosphorus course entrophication of fresh leadies such as lakes and rivers. The waste water may also be polluted with organochlorine 11. Action of calcius examide as calcium bestilines 100 years . Because of negalive espect it is now often applied yield and quality lose 2. 2 Examples of Phosphate fertilizers.
The most common phosphate

pertilizers are: Single superphosphate (SSP) Triple superphosphate (TSP) Monoammonium phosphate (MAP) Diammonium phosphate (DSP) mmonium polyphosphate liquid. 13. Row materials for normal superphosphale pertilizer:-The major raw materials for normal superphosphate pertilizers are phosphorite and schalite Phosphorites Name you rawrat organic Herlilizers:- PUACP Manure: used as pertilizer can include manure from cows, horses and chickens. · Compost: made up ofrom decomposing materials such as scraps and leaves. · Minerals: such as potassium subate can mined from the ground. 15. Micro nutrients 3 Macro nutrients * These are the nutrients *These are the nutrients



7 th Semester APPLIED (A) ss PP-2020 1. Different unit processes involved in treatment of crude oil:i) Crude desalting process:- The pricess in which salt and other contaminants are removed from crude oil before it is sent to atmospheric distillation for separation. of petroleum oil trolling the hydrocarbo kerogen, expan increase in presure and hydrocarlon expulsion out of source rock.

Catalytic alkylation:-It is a chemical process in which. Light, gaseous Lydrocarbons are combined to produce high-actaine components of gasoline. The light hydrocarbons consist of defins as propylene and butylene as isoparappins such as isolutane. How prilling is carried out during ured manufacturing? Prilling is a process by which solia lion of ammonium the most commonly used artificial perlilizer for alkaline solls. When troduced into damp oil, an ammonium ion is released. This

creates a small amount of acid which lowers the pH balance of the soil. It also contributes nitregen, which aids in plant growth. Kraft pulping process:-In this process, the white liquor penetration and diffusion into the interior of ward chips . When the wood chips are freated the delignification reaction starts, but the reaction rate is very slow. The specific Kraft cooking temperature compounds are Ireken down into small pragments and solutilized into the alkahinc Bolution. Temperature and catalyst conditions for Haber's process:-In this process, normally an ison catalyst is used and the whole procedure is conducted by maintaining a temperature of around 400-450°C and a pressure of 150-200 atm. Agriculture waste used to make paper The most important agricultural

unste used in paper industry are straws, bagasse and grasses.

These are the agri-waste which are used in making frafrer.

Significance of Potash pertiliner:

It is used to regulate the movement and storage of solutes throughout anufacturing potassium-bearing PUACP

APPLIED (A) SS PP-2019 1. 4 fractions with carbon range obtained from fractional distillation of petroleum. 2. Explain isomerization: raduction of branched parappins rom Straight chain CH's. convert low-octane high octane iso-harappins which Different write processes involved in 4. 4 raw materials for paper industry: Ward Jused material Agricultural wastes (straw, bagasse, grasses) Waste haper linters and waste. Role of sweetening process in crude oil repining: The fracess which is used to resnove the so called Acid Gases which are

	the repinery gas streams. This is used either to purify a gas to for further use or for environments.	m
	is used either to husiky or cons	proces
	for purther use or for environs	nenta
6.	Temperature and catalyst con for Hober's process? PP-2020 Question: 8	ndition
	for Hower's process?	
7.	and well to	
8.	PP-2020 Question: 2	: . t
	Why desalling of crude oil	enis
9.	mportante	is
	pp-2021 Question: 5	
10.	Urea assimilation in s	ril:-
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