Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2020

Course: Upstream Petroleum: Exploration and Production
Course Code: CSOG 2002

Semester: II
Time: 2 hrs

Programme: B.Tech Computer Science in OGI

Max. Marks: 60

Instructions: Attempt all question and all question carries equal 1 Marks

uctions. Att	cmpt an q	ucstion	and an q	ucstion	carries equa	II I IVIAI	INS	
What is	Acetylen	Incor	Paraffin	Incor	Olefin	Corre	All of the	Incor
the old	e	rect		rect		ct	above	rect
name of								
alkenes								
In which	Alkynes	Incor	Alkenes	Incor	Alkanes	Corre	All of the	Incor
hydrocarb	-	rect		rect		ct	above	rect
on all the								
four								
valencies								
of carbon								
are linked								
together								
_								
bond								
Which	Ethanoat	Incor	Ethyl	Incor	Ethyl	Corre	Ethanone	Incor
compound	е	rect	alcohol	rect	acetate	ct		rect
is used for								
making								
perfumes								
and dyes								
What is	CnH2n	Corre	CnH2n-	Incor	CnH2n+2	Incor	CnH2n+O	Incor
the		ct	2	rect		rect	Н	rect
general								
formula of								
alkenes?								
Find the	Alkynes	Incor	Alkanes	Incor	Aromatic	Corre	Alkenes	Incor
odd one		rect		rect		ct		rect
out:								
Inhibitive	WBM	Incor	OBM	Incor	Polymer	Corre	Both OBM	Incor
mud is		rect		rect	MUD	ct	and WBM	rect
what kind								
of Mud								
Which of	benzene	Incor	toluene	Incor	styrene	Corre	phenol	Incor
							l	
the		rect		rect		ct		rect
		rect		rect		ct		rect
the		rect		rect		ct		rect
the following		rect		rect		ct		rect
the following pertochem		rect		rect		ct		rect
the following pertochem ical		rect		rect		ct		rect
	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind of Mud Alkynes Acetylen e e Charlen Alkynes Alkynes Alkynes WBM	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind of Mud Alkynes Incor rect Incor rect Ethanoat Incor rect Corre ct Shall ynes Incor rect Incor rect	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind of Mud	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind of Mud Alkynes Incor rect rect Incor rect Incor rect Incor rect Incor rect Incor rect Paraffin Incor rect Incor rect Incor rect Incor rect Incor Corre CnH2n rect Incor rect Alkanes Incor rect Incor rect OBM Incor rect What is the odd one out: Incor rect Incor rect OBM Incor rect What is the odd one out: Incor rect Incor rect OBM Incor rect Walkenes	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind of Mud Which of benzene Incor rect Incor rect Alkenes Incor rect Alkenes Incor rect Alkenes Incor rect Alkenes Incor rect ChH2n Corre ct CnH2n- rect Alkanes Paraffin Incor rect Alkenes Incor rect Alkenes Incor rect CnH2n- rect CnH2n- rect CnH2n- rect Corre rect CnH2n- rect Corre rect CnH2n- rect Corre rect CnH2n- rect Corre rect CnH2n- rect CnH2n- rect Corre rect Corr	What is the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: Inhibitive mud is what kind of Mud Mich of benzene Incor tect Incor rect Alkenes Incor rect Alkenes Incor rect Incor rect Alkenes Incor rect Incor rect Incor rect Alkanes Corre ct Corre ct Corre ct Alkanes Corre ct Corre ct Corre ct Alkanes Corre ct Alkanes Corre ct Corre rect Alkanes Corre ct Corre rect ConH2n+2 Incor rect Corre ct Corr	the old name of alkenes In which hydrocarb on all the four valencies of carbon are linked together with single bond Which compound is used for making perfumes and dyes What is the general formula of alkenes? Find the odd one out: In which of benzene Incor alkenes Incor rect alkenes Incor rect alkenes Incor rect alcohol rect alcohol Incor al

	formation								
	of plastic								
М	Which of	Gaining	Incor	Apprais	Incor	Decommis	Incor	All of the	Corre
C	the	access	rect	al phase	rect	sioning	rect	above	ct
	following	decess	1000	ai pilase	1000	3.01	1000	above	
	are the								
	stages of								
	oil and gas								
	field life								
	cycle:								
М	Which of	Gas peak	Incor	Oil peak	Corre	both oil	Incor	kerogen	Incor
С	the	•	rect		ct	and gas	rect		rect
	following					peak			
	is					•			
	identified								
	first, while								
	drilling								
	inside the								
	earth								
	surface								
T	Procity is	TRUE	FALS						
F	inversly		E						
	propotinat								
	e to terran								
N 4	volume Which of	Sesmic	Incor	Remote	Corre	Geochemic	Incor	None of	Incor
M C	the	Sesilic	rect	Sensing	ct	al	rect	the above	rect
	following		Tect	Sensing	Ct	ai	1600	tile above	Tect
	exploartio								
	n method								
	can't be								
	used in								
	offshore								
	subsurface								
	analysis								
М	Geochemi	Migratio	Incor	Permabi	Incor	Procity	Incor	Chimney	Corre
С	cal anaysis	n	rect	lity	rect		rect	Effect	ct
	is based								
	on the								
	assumptio								
	n of								
T	Geophysic	FALSE	TRUE						
F	al and								
	Geology								
	survey are								
М	the same High value	nreconce	Incor	precent	Incor	nracanco	Corre	None of	Incor
C	in gravity	presence of	rect	presenc e of	rect	presence of	ct	the above	rect
	meter	sediment	1000	light	1000	basement		the above	1000
	indicate	ary		rocks		rock in a			
	aicatc	rocks,		such as		structure			
		. 001.0,		3461143		Stractare	<u> </u>	l	

		over		salt		like			
		basemen		domes		anticline or			
		t rocks		or		dome.			
		t rocks		porous		donne.			
				reef.					
М	Arrange	a,b,c,d	Incor	b,a,c,d	Corre	a,b,d,c	Incor	d,c,b,a	Incor
С	the	a, a, a, a,	rect	2,0,0,0	ct	(1,0,0,0	rect	2,0,0,0	rect
	following								
	oil field in								
	the								
	cronoliogic								
	al order a)								
	Ankleswar								
	b)								
	Nahorkatiy								
	a c)								
	Nahorpun								
	g d)								
	Digboi Oil								
N 4	field	0.4	Incor	0.15	Inco:	0.022	Commo	0.015	In a a ::
M C	The quantity of	0.4		0.15	Incor	0.022	Corre ct	0.015	Incor rect
	generated		rect		rect		CL		rect
	petroleum								
	that								
	eventually								
	forms								
	commercia								
	1								
	accumulati								
	ons is								
М	Gulf Coast	Pinch	Incor	Anticlin	Incor	Salt dome	Corre	Trust	Incor
С	is famous	Out	rect	е	rect		ct	Fault	rect
	from								
	which of								
	the								
	floowing								
	types of								
М	traps: 'subtle	Combina	Incor	Structur	Incor	stratigraph	Corre	None of	Incor
C	traps'	tional	rect	al traps	rect	ic traps	ct	the above	rect
	mean	traps		a. a.aps				and above	
М	The oil &	Assam	Incor	Tamilna	Incor	Karnataka	Corre	Bombay	Incor
С	gas		rect	du	rect		ct		rect
	exploratio								
	n is not								
	carried out								
	in the								
	following								
	state of								
	India								

М	Natural	Burial	Incor	action	Incor	Hydraulic	Incor	All of	Corre
С	Forces	and	rect	of	rect	Pressure	rect	them	ct
	which help	Compact		gravity					
	in	ion of		on the					
	migration	Sedimen		rock					
	and	ts		fluids					
	accumulati								
	on of								
	Petroleum								
	are								
М	Which one	Ammoni	Corre	Paraffin	Incor	Hydrogen	Incor	Alkalens	Incor
С	of the	а	ct	's	rect		rect		rect
	below said								
	element								
	not found in the								
	Petroleum								
	(Crude oil)								
М	Which of	Tectonic	Incor	Gravitat	Incor	Volcanic	Corre	Diapiric	Incor
C	the	rectorne	rect	ional	rect	Voicame	ct	Біаріне	rect
	following								
	is not in								
	the								
	process of								
	structural								
	trap								
	formation.								
M	What are	Pores	Corre	Pores	Incor	Pores that	Incor	None of	Incor
С	the .	that are	ct	that are	rect	are formed	rect	the above	rect
	secondary	formed		formed		either			
	pores in a	after		during		during or after			
	sedimenta	depositio		depositi on		deposition			
М	ry rock GTO stand	n Geo	Corre	Geo	Incor	Geochemic	Incor	Geophysic	Incor
C	for	technical	ct	thermal	rect	al	rect	al	rect
	101	Order		Order	1000	Technical	1000	technical	1000
						order		order	
М	Which of	Age	Incor	Caving	Incor	Migration	Corre	Fromation	Incor
С	the		rect	zone	rect	path	ct	presure	rect
	following								
	is not								
	geological								
	data								
	collected								
	during								
_	GTO	TOLIC	Elass						
T F	During GTO	TRUE	Flase						
F	corring								
	smaple are								
	taken from								
	cancil illoill	<u> </u>	<u> </u>	<u> </u>	l	<u> </u>	l	l	<u> </u>

	1640 -								
	1740 m								
M C	Which type of drilling rig is used to drill offdhore to the depth of 300 fts.	Inland Drill	Incor rect	Drill ship	Incor rect	Jack Up	Corre ct	Semi submesibl e rig	Incor rect
M C	How many type of casing are there	2	Incor rect	4	Incor rect	3	Corre ct	5	Incor rect
M C	Rotatory drilling was made popular after the Spindletop discovery by "Dad" Joiner in:	1920	Incor rect	1940	Incor rect	1930	Corre ct	1910	Incor rect
M C	Which of the followig is not a componen t of rotatry drilling	Conveyo r belts	Corre ct	Kelly	Incor rect	ВОР	Incor rect	Mud pit	Incor rect
T F	Swivel is the connectio n between slush pump and the drill string	TRUE	FALS E						
T F	Derick is the most essential componen t of rotatory drill	TRUE	FALS E						
M C	Which of the following is not a type of	Iron bits	Corre ct	tungste n carbide inserts bits	Incor rect	Polycrystall ine Diamond Compact Bits	Incor rect	Diamond Bits	Incor rect

	rotatory drill bit								
M C	Which of the follwing drilling does not require the drill-pipe to be rotated to form drilling hole	Horizont al drilling	Incor rect	Dyna Drilling	Corre	Verical drilling	Incor rect	Fault drilling	Incor rect
M C	Which of the following is called as "killing" the well.	Sidetrack well	Incor rect	Multilat eral well	Incor rect	Closed well	Incor rect	Relief well	Corre ct
M C	Survey used to detect hydrocarb on plumes is called:	3-D survey	Incor rect	Plumes survey	Incor rect	Sniffer survey	Corre ct	None of the above	Incor rect
M C	Which type of offshore rig reduce the effect of tidal waves	Drill ship	Incor rect	Jack Up	Incor rect	Semi submesible rig	Corre ct	Inland Drill	Incor rect
M C	Which of the folloing are the functionali ty of drilling fluid	To act as a medium for electrical well logging.	Incor rect	Cooling of the bit and as a lubrican t.	Incor rect	To build a wall around the inside of the hole, which prevents the hole from caving in	Incor rect	All of the above	Corre ct
M C	Encroach ment of the formation fluids, can be deteced by which	Salinity	Corre ct	Gel strengt h	Incor rect	ph value	Incor rect	Density	Incor rect

	property of drilling								
M C	mud for suppressin g the hydration and swelling of clay minerals in clay bearing productive sands	OBM	Incor	Potassiu m base Muds:	Corre ct	WBM	Incor	Inhibited	Incor
T F	High resistivity is always indicator of hydrocarb ons	FALSE	TRUE						
T F	Induction resistivity tool is preferred over latero type tool in non conducting muds	TRUE	FALS E						
T F	Gamma Ray log is used as lithology indicator	TRUE	FALS E						
F	Positive SP is developed against reservoir s ection when salinity of formation water is more than that of mud filtrate	FALSE	TRUE						

T F	Dipmeter is based upon resistivity measurem ents Neutron porosity (PHIN) increases with presence of gas	FALSE	FALS E						
M C	Which log help in distinguish particular clay minerals.	Density	Incor rect	Natural Gamma log	Incor rect	Spectral Gamma Log	Corre ct	SP log	Incor rect
M C	70 to 95 % of oil is flushed the rest is called.	Residual oil	Corre ct	Annulus	Incor rect	Salt fresh water	Incor rect	None of the above	Incor rect
МС	detection of gas zones and determina tion of lithology are found by	the neutron density combina tion	Corre ct	dual lateral	Incor rect	annulus	Incor rect	None of the above	Incor rect
МС	To estimate invasion in a formation we use what two logs	Dual lateral	Corre ct	Gas effect	Incor rect	Photoelect ric effect	Incor rect	None of the above	Incor rect
ОМ	SRB stand for	Subsurfa ce rotatory bit	Incor rect	Salt ratio band	Incor rect	Sulphur reducing Bacteria	Corre ct	None of the above	Incor rect
M C	SO2 can be absorbed using	SILICA GEL	Incor rect	BAUXIT E	Incor rect	PULVERISE D LIMESTON E	Corre ct	ACTIVATE D CARBON	Incor rect
M C	Which of the followig is	Ferric oxide	Corre ct	SILICA GEL	Incor rect	BAUXITE	Incor rect	ACTIVATE D CARBON	Incor rect

						1	I	<u> </u>	
	not a absorbent for hydrocarb on								
	pollutants								
M C	Number of Sedimenta ry Basins of India are	25	Incor rect	25	Incor rect	26	Corre ct	27	Incor rect
M C	Temperatu re range for oil window is	0 to 100 degree celsius	Incor rect	60 to 175 degree celsius	Corre ct	100 to 325 degree celsius	Incor rect	None of the above	Incor rect
M C	A log that helps in finding the fractured porosity is	NHM	Incor rect	Neutron	Incor rect	Sonic	Corre ct	Density	Incor rect
C	Which of the following log is used for depth matching and well to well correlation while running with other logs	Natural Gamma Log	Corre ct	Gamma Gamma log	Incor rect	Neutron log	Incor rect	None of the above	Incor rect
M C	In a shale formation , which clay mineral are most radioactive	Kaolinite	Incor rect	Chlorite	Incor rect	Illite	Corre ct	Montmori Ilonite	Incor rect
M C	Inhibitive mud is what kind of Mud	WBM	Incor rect	OBM	Incor rect	Polymer MUD	Corre ct	Both OBM and WBM	Incor rect
M C	Salt Section hole enlargeme nt is acomplicat ion of:	Drilling Mud	Corre ct	Drilling Bit	Incor rect	Casing	Incor rect	Salt domes	Incor rect