

Q. NO	Question Content	Option 1	Option 2	Option 3	Option 4
1	The function of the rotary system is to transmit rotation to the	consequently rotate the bit	generate power	pump mud	none
2	The main parts of the rotary system are: (1) swivel, (2) rotary hose, (3) kelly, (4) rotary drive (master)	Drill string kelly	Mud pump	mud tanks	goose neck
3	The rotary drive consists of master pushing	Drill string kelly pushing	Swivel	drill bit	drill pipe
4	The master bushing receives its rotational momentum from the compound and drives the kelly pushing which	kelly	Swivel	drill bit	drill pipe
5	The way how the formations react to drilling mud influences the selection of mud	well control aspects	Drilling aspects	Production aspects	Logging
6	The principle components of the mud circulation system are: (1) mud pumps, (2) flowlines, (3) drillpipe, (4) nozzles, (5) mud pids and tanks (settling tank, mixing tank, suction tank), (6) mud	contaminant removal equipment (shale shaker, desander, desilter, degasser)	Swivel	drill bit	drill pipe

Nowadays there are two types of mud pumps in use (duplex pump, triplex pump), both equipped

7	with reciprocating The amount of mud and the pressure the mud pumps release the mud to the circulation system are controlled via changing of pump liners and pistons as well as	TRUE	FALSE	can't say	none
8	control of the speed The duplex mud pump	TRUE	FALSE	can't say	none
9	consists of two The triplex mud pump	double-acting	single-acting	triple-acting	none
10	consists of three The triplex pumps are generally lighter and more compact than the duplex pumps and their	single-acting	double-acting	triple-acting	none
11	output pressure The overall efficiency of a mud pump is the	not as large	large	small	none
12	product of the The mechanical efficiency is often assumed to be ____% and is related to the efficiency of the prime	the volumetric efficiency.	electrical efficiency	thermal efficiency	none
13	mover itself and the	90	80	70	60

The volumetric efficiency of a mud pump

with adequately

14	charged suction system most manufactures rate their pumps with a total efficiency of 90% (mechanical efficiency: _____%, volumetric	70	80	90	100
15	efficiency:	70	80	90	100