

Job Role : Rig mounted Drill Operator - MIN/Q0202									
Sr. No.	PC Code	NOS Code	Question	Option A	Option B	Option C	Option D	Ans. (A/B/C/D)	Difficulty Level, Easy /Med./ High.
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2	PC Code	NOS Code	Question	Option A	Option B	Option C	Option D	Ans. (A/B/C/D)	Difficulty Level, Easy /Med./ High.
3	PC1	N 0205	Drilling pattern / spacing should be as per the instructions from	Mine Manager	Maintenance manager	Blaster	Mine foreman	D	Easy
4			Drilling should be planned in a manner so as to	Get free time	Driller can rest	get sufficient time for putting explosive in it.	None of these	C	Easy
5			Drilling should be commenced immediately after	making the m/c ready	Drilling site clearance	receiving Drilling instructions	All of these	D	Easy
6	PC5		Before starting the machine check the same for	External damages	Open canopy & check internal damages	Both A & B	None of these	C	Easy
7			Before starting the machine check the same for	Diesel level	Hydraulic oil level	water level	All of these	D	Easy
8			Before starting the m/c have visual checks for	Hydraulic oil leakage	Diesel leakages	Any gasket damage	All of these	D	Easy
9			cleanliness of the m/c is required so as to	Inspect the machine properly	Dust causes the overheating	Both A & B	None of these	C	Easy
10	PC7		most likely cracks / damage is normally on	Engine parts	Transmission parts	Track parts/ plates	None of these	C	Easy
11			Before starting the Drill inspect for any cracks, damage to	Drill Bit	Drill Hammer	Drill rod couplings	All of these	D	Easy
12			Before starting the Drill inspect for any welding cracks, damage to	Drill super structure	Drill rotating platform	Drill Rig chassis	All of these	D	Easy
13			Drilling accessories subjected to speedy wear and need faster replacement	Drill Bits	Drill Hammer	Drill extension rods	None of these	A	Easy
14	PC11		Shift the Drill to the site where	Benching is not proper	Benching is proper	No material hangings observed	Both B & C	D	Easy
15			Shift the Drill to the site where	Material after blast has been removed	Material after blast has been partially removed	Shovel -Dumper activities have not completed	None of these	A	Easy
16			If Drill rig is made to crawl at higher speeds, then	there is no harm	crawler plates may damage/brake	machine may not keep proper balance on gradient	Both B & C	D	med
17	PC13		Take the charge of the machine at	the work shop from earlier operator	Charge taking from operator not required	the site with earlier operator present with the machine	None of these	C	Easy
18			Before starting the machine , check the	Operation Manual	Machine log book	Maintenance Manual	None of these	B	Easy
19			Before starting the machine take charge of	Drill and accessories	Tools and tool bag	Emmergency spares	All of these	D	Easy
20	PC14		In case of any operational problem, operator should inform	Mine foreman	Mechanical foreman	Both A & B	None of these	C	Easy
21			If one of the Hydraulic hose is leaking, operator should	inform supervisor, however may continue the operation	Inform supervisor and sit till the machine is repaired.	arrange for the hose and fit the same by himself.	None of these	C	Easy
22			In summer, if the m/c is getting overheated	Stop the m/c	Operate the m/c intermittantly	Inform higher officials and stagger the shift timings in morning / evening	None of these	C	med
23	PC1	N 0206	Operate the drill Rig with	All the consumables are topped up	All required Drill Accessories are available	All tools and tackles for operation are kept	All of these	D	Easy
24			If the Drill rig is operated with low level of Hydraulic oil then	Temperature of Hydraulic oil will raise	Temperature of Hydraulic oil will come down	Hydraulic rubber parts may damage due to heat	Both A & C	D	med
25			Plan the drilling activities in a way that	Drill operates quite efficiently	all routine consumables/ spares are ready	Both A & B	None of these	c	Easy
26	PC3		To move the Rig forward, operate	Left track lever in forward position	Right track lever in reverse position	Both Left & right track lever in forward position	None of these	C	Easy
27			To move the Rig backward, operate	Left track lever in forward position	Right track lever in reverse position	Both Left & right track lever in reverse position	None of these	C	Easy
28			To turn the Rig on left side, operate	Left track lever in neutral position	Right track lever in reverse position	right track lever in forward position	both A & C	D	med
29			To turn the Rig on right, operate	Left track lever in forward position	Right track lever in neutral position and left track lever in forward position	Both Left & right track lever in forward position	None of these	B	med
30			To turn the Rig right without moving back or forth, operate	Left track lever in forward position	Right track lever in reverse position	Both Left & right track lever in forward position	Both A & B	D	med

31			To turn the Rig left without moving back or forth, operate	Right track lever in forward position	Left track lever in reverse position	Both A & B	anyone of the track lever in forward position and the other one in reverse position	C	med
32	PC4		If the Drill Rig is not self propelled type then the same is to be towed to site with the help of	Dumper	Dozer	Tractor	All of these	C	Easy
33			If the Drill Rig is not self propelled type then the same is to be towed to site with the help of	Rope slings	Coupling pin with locking arrangement	Steel pipe	Any of these	B	med
34			While toeing the machine on gradient	Person may ride on the m/c	Person may stand in front of the m/c	Person may stand on the rear of m/c	None of these	D	Easy
35	PC6		For operating the Rig, Drilling site should be	Exactly horizontal	Any type of surface	Horizontal or within permissible inclination by OEM	None of these	C	med
36			It is easier to operate the Drill Rig on the	Incline plane	Undulated plane	Horizontal plane with stable base	None of these	C	Easy
37	PC7		To station the Rig for Drilling, the base ground should be	Hard so that during drilling the mounting shall be firm on the ground	Loose ground for easy drilling	Wet ground for easy Drilling	Any of these	A	Easy
38			Drill Rig operation is preferred where	Uncleared site with muck is not properly lifted / Dozed	Lot of water is sprinkled for dust suppression and mud has been created	Hard and cleared all the muck of previous shift and duly water sprinkled	None of these	C	Easy
39	PC10		Drilling shall be commenced	After the machine is ready	in presence of mine foreman	only after understanding the Drilling pattern and marking Drill holes.	None of these	C	Easy
40			If the Drill hole depth is not maintained as per instructions then	Blasting efficiency will come down	Muck generation will be less	Both A & B	No effect on muck generation	C	Easy
41			Before moving the m/c after completing one hole to make another drill	can move without any precheck	Take precaution for moving	check for the correct depth or re drill as required	None of these	c	Easy
42	PC11		While drilling the hole, the drilling is commenced with	High speed to achieve the high rate of drilling	slow speed till it advances little	No criteria for speed of the drill	None of these	B	Easy
43			To achieve the quality in drilling,	Drilling is stopped at intervals	the drill hole is flushed at intervals	the drill hole is carried out at slower drilling rate	None of these	B	med
44	PC12		If the grinding of the Drill bit buttons are properly & regularly done	The drilling meterage will increase	The drilling meterage will be less	No effect on Drilling meterage	None of these	A	Easy
45			If the Drilling Angle is not maintained properly	The rate of drilling will come down	The couplings & drill rods will touch on side walls	The Drillrods may stuckup & break	Both B & C	D	med
46	PC14		Hydraulic circuits are very high pressure circuits, hence	Do not allow anybody near the machine	Allow only authorised persons only	Stop the machine ,come out of the cabin then talk	All of these	D	Easy
47			Drill Rig is operated with Diesel engine with high temperatures	Not much care is required while dealing engine repairs	Due care is required while dealing with engine repairs	Use all safety appliances, essential for the job.	Both B & c	D	Easy
48	PC1	N 0207	Machine availability hours are	Shift hours	no. of hours, machine is made available for work	The starting of the machine till stoping the machine	All of these	B	Easy
49			Machine operating/utilisation hours are	Shift hours	no. of hours, machine is made available for work	no. of hours, machine is operated out of available hours	None of these	C	Easy
50			Drill Rig maintenance is carried out on the basis of	Shift Hrs	M/c available hrs	M/c utilisation hrs	None of these	C	med
51	PC11		Preventive Maintenance of the Drill Rig is carried out at	the site where the drilling is completed	Bring the machine to a work shop	Bring the machine away from the site and do it.	None of these	C	Easy
52			Maintenance of the machine is carried out on a	Level and hard ground	on incline surface	Any where	None of these	A	Easy
53			Breakdown of a Rigis carried out	in Work shop	on a plain grund	place where the machine has come under breakdown	None of these	C	Med
54	PC12		Maintenance of the engine is carried out	during Engine running condition	during Engine hot condition	Stop the engine ,allow it to cool down then carry out.	All of these	C	Easy
55			While carrying out the engine maintenance	Do it without cleaning the engine	Clean it with Cotton waste and do it	Wash the engine properly, clean it thoroughly then do it.	None of these	C	med

56	PC13		Maintenance of the machine is carried out by	taking out the engine ignition key	Display Board on the machine that M/c is under maintenance	Take out one of the Battery terminal	All of these	D	med
57			During maintenance allow only	Authorised persons	persons who have put on required safety appliances.	Both A & B	None of these	C	Easy
58			During shifting of the machine for maintenance	The drill rig be shifted as it is	The drill carrier kept horizontal over Machine	The Drill head be brought in the middle of the drill carrier	Both B & C	D	Easy
59	PC14		For any problem with the Drill Rig operation, immediately inform to	Mine manager	Mine foreman	Mechanical foreman	Both B & C	D	Easy
60			For minor repairs on Drill Rig	stop the Drill Rig and wait for mine foreman	stop the Drill Rig and wait for mechanical foreman	stop the Drill Rig, Inform to supervisor and try to repair	All of these	C	Easy
61			Repairs on the machine shall come down if	If it is properly operated	If schedule maintenance is properly followed	Both A & B	None of these	C	Easy
62	PC15		In case of any defects observed during the shift are	Verbally told to next operator	written on a piece of paper and kept in a cabin	Properly recorded in a Defect sheet proforma as per the Manufacturer's instructions	All of these	C	Easy
63			Log book entries shall cover these parameters	Air Pressure	Oil pressure	Air Temp.	All of these	D	Easy
64	PC1	N 0208	Before taking the charge of the machine, if any shortcomings have been observed then	No need to inform immediately	Inform the same immediately so as to take action on the same.	Inform after the shift is completed	None of these	B	Easy
65	PC2		Minor problems encountered during the shift	may not be written	may be verbally informed	May be properly log in the Logbook	None of these	C	Easy
66			Major problems encountered during the shift	shall be written in Log book	Also verbally inform to superiors	Both A & B	None of these	C	Easy
67			If the Drill Rig is giving frequent trouble even after breakdown maintenance then	Inform mine manager	Inform Maintenance Engineer	Call for an expert personnel from Manufacturer	All of these	D	Med
68	PC7		Machine logbook comprises of the	Timings	Available Hrs	Utilisation Hrs	All of these	D	Easy
69			Machine Logbook covers the entry of	Engine oil temp.	Engine oil pressure	Engine oil level	All of these	D	Easy
70			Machine Logbook covers the entry of	Hydraulic oil temperature	Hydraulic oil level	Both A & B	None of these	C	Easy
71	PC1	N 0204	Drill Rig Operator should wear	Safety shoes	Safety Helmet	Hand Gloves	All of these	D	Easy
72			Drill Rig Operator should wear Safety Goggle	For Dust protection	For sound protection	For eye protection	None of these	C	Easy
73			Drill Rig Operator should wear Nose mask	For Dust protection	For sound protection	For eye protection	None of these	A	Easy
74			Drill Rig Operator should wear Ear Plugs	For Dust protection	For sound protection	For eye protection	None of these	B	Easy
75			Drill Rig Operator should wear Safety Helmet	For Head protection	For sound protection	For eye protection	None of these	A	Easy
76			Drill Rig Operator should wear Handgloves while dealing with hot zone	To keep his hands clean	To avoid hands from electric shocks	To protect hands in case of handling hot machine parts	None of these	C	Easy
77	PC2		Lighter Drill Rig material is handled by	In a Dumper	Manually	In a rubber wheel trolley	Both B & C	D	Easy
78			Heavier Drill Rig material is handled by	In a Dumper	Manually	In a tractor trailer	None of these	C	Easy
79			Oil, Diesel, Grease, Hydraulic oil is transported through	In a Dumper	Manually	In a tractor trailer	Service van kept for the purpose	D	Easy
80	PC3		Who is to be informed first for any accident	Foreman	Engineer	Manager	All of these	A	Easy
81			In case of minor accident	Inform Foreman	provide first aid	Both A & B	None of these	C	Easy
82			In case of major accident	Inform Foreman	provide First aid	Call for Ambulance	All of these	D	Easy
83			Who is to be informed for Drill Rig breakdown	Mechanical Foreman	Mine Foreman	Mechanical fitter	All of these	D	Easy
84	PC5		Rig Drill spares/material may be stored with Diesel & oil	Keep separately	Yes	Diesel may be kept	None of these	A	Easy
85			Spare Diesel filled can for emergency may be	Kept in The M/c Cabin	Kept in a Tool Box in the m/c	Never keep any inflammable material inside the m/c	None of these	C	Easy
86			Hazardous Material should be handled with	Due care	handle as normal material	Both A & B	None of these	A	Med
87	PC6		In case of small fires	Leave the work place	use the fire Extinguisher and start extinguishing the fire	Inform to Engineer	Inform to Manager	B	Easy
88			In case of Big fires	Keep away personnel from the work place	use the fire Extinguisher and start extinguishing the fire	Call for fire tender kept for the purpose	All of these	D	med
89			Drill Rig operator should be trained in Fire extinguisher operation	yes	not required	Not to attain fire hazards	None of these	A	Easy
90	PC7		Which type of Fire Extinguisher is used in Electrical fires	CO2 type	Foam type	Dry chemical powder	Both A & C	D	med
91			Which type of Fire Extinguisher is used in general fires like wood , paper	CO2 type	Foam type	Dry chemical powder	Both B & C	D	med

92		Which type of Fire Extinguisher is used in Flammable oils / Liquids	CO2 type	Foam type	Dry chemical powder	All of these	D	med
93		Fire extinguishers are inspected by competent person	Once in three months	Every week	Every month	Every shift	A	Difficult
94	PC9	Drill Rig operator should allow to enter his work area	Foreman	Electrician	Mechanical fitter	All of these	D	Easy
95		Drill Rig operator should allow the Personnel Who had put on	Safety shoes	Safety helmet	Both A & B	None of these	c	Easy
96		Who handles the misfire	Blaster	Engineer	Drill rig operator	Mine manager	A	Easy
97		Misfire takes place	Due to Drilling	Due to face conditions	Due to loose rock	None of these	D	Med
98		Misfire is mainly due to	Drilling problem	Mucking problem	Mistakes in Explosive loading	None of these	C	Easy
99		Misfire is noticed	Immediately after blasting	some time after Blasting	Only after fume clearance & inspection	None of these	C	Med
100		Fumes in face accumalets after Blasting	Always	Some times	Never	None of these	A	Easy
101		Fumes will clear in face due to	Improper Ventilation	Proper ventilation	No ventilation	None of these	B	Easy
102		What improves the fume clearance in face	water jet	Air jet	Auxiliary ventilation fan	None of these	C	Med
102		Workmen are allowed to enter the face	Immediately after blasting	Only after fume clearance	After dealing misfire if any	Both B & C	D	med
102		Maintain the Drill rig logsheet	As per Manufacturer's instruction	on a plain Register	inform verbally to next Drill Rig operator	Log sheet not maintained	A	Med
102								