

Job Role: JUMBO DRILL OPERATOR (MIN/Q 0432)									
Sr. No.	NOS Code	PC Code	Questions	Option A	Option B	Option C	Option D	Answer (A/B/ C/D)	Difficulty Level (Easy/ Medium/ Hard)
1	MIN/N0488	KC15	Generally how many parts in a drilling head?	2 parts, drill & drilling lever	3 parts, drill, drilling lever & cylinder	4 parts, drill, drilling lever, cylinder & screw connector.	None of these	C	Medium
2	MIN/N0488	PC15	What a daily maintenance checklist consist of?	Oil change details	Filter change details	Diesel, working hour details	Monthly maintanance detail	C	Easy
3	MIN/N0488	KC6	Flat tapered key with one rounded edge that are design to fit into a spindle chuck's slot.	Drill drift	Screw	Bolt	All of these	A	Medium
4	MIN/N0488	KC7	Mechanically anchored bolt without grout are widely used in mining.	TRUE	FALSE	-	-	A	Medium
5	MIN/N0488	PC3	In general based on the type of the anchor roof bolt can be devided into two mager group.	Point anchored bolt	Full length anchored bolt	Both of these	None of these	C	Medium
6	MIN/N0488	KA10	How many types of break in jumbo	Service Break	Parking Break	Both of these	None of these	C	Easy
7	MIN/N0488	PC15	The maximum length of trailing cable is M?	50 Meter	90 Meter	150 Meter	200 Meter	B	Hard
8	MIN/N0488	KA3	Measures to control the pillar failure is	lacing of the pillar	back filling	both A and B	None of these	C	Medium

9	MIN/N0488	KA3	What is diametre of wooden prop?	15 Cm	20 cm	25 cm	30 cm	A	Hard
10	MIN/N0488	KC8	In diesel engine fuel is ignited by	Spark	Heat resulting from compressing air that is supplied for combustion	injected fuel	Combustion chamber	B	Easy
11	MIN/N0488	KC12	which of the follwing bolting practice do not require any quick setting cement capsule in the drill hole	Recoverable type of bolt	Non-recoverable type of bolt	Bamboo bolt	Side stiching	A	Medium
12	MIN/N0488	PC12	The instrument that is used to measure the relative humidity is?	Pitot tube	Aneroid barometer	Hygrometer	Animometer	C	Medium
13	MIN/N0901	PC3	Which of the following are not true about air pollution?	A burning forest produces air pollution	Dust from mining causes air polution	Urban areas have high air pollution	only mining activity causes air pollution	D	Medium
14	MIN/N0488	SB2	Causes of misfire are	Under charged blast holes	Overcharged blast holes	Faulty detonator	All of these	C	Medium
15	MIN/N0488	KA8	Which is not correct statement of check the engine oil level?	Open the engine cover that is located on the machine	Remove the oil level guage and wipe oil wih clean cloth	Maintain the oil level upto the mark	Do not close the engine cover	D	Easy
16	MIN/N0488	KB8	Which is not covered when you leave the machine, lock it to prevent theft and tampering.	Air filter cover	Control panel	Engine top cover	Boom Stick	D	Medium
17	MIN/N0488	SB5	Usually length of drill rods will be	4.5m,3m,1.5m	1m,0.5m,0.2m	5m,10m,15m	2.5m,5m,10m	A	Hard
18	MIN/N0488	SB3	.....before regular drilling reducing the	Collaring	Turning	Rotating	All of these	A	Hard

			damage or wear of drilling tools and carrying out drilling work efficiently						
19	MIN/N0488	PC13	What should be the safe working temprature of hydraulic oil	40 degree Cent to 70 degree Cent.	20 degree Cent to 60 degree Cent.	60 degree Cent to 80 degree Cent.	90 degree Cent to 100 degree Cent.	C	Hard
20	MIN/N0488	KA7	..... Is a device used to connect 2 shafts together at their ends for the purpose of transmitting power	T	Bend	Coupling	Elbow	C	Medium
21	MIN/N0488	PC16	Duty of Jumbo operator is	Be a responsible	Be safe and carefull	Both of these	None of these	C	Easy
22	MIN/N0488	PC14	What should be check before starting machine?	Checking typre pressure	Checking hydraulic level	Checking fuel level	All of these	D	Easy
23	MIN/N0488	KC4	What is use of pressure redusing valve	Reduse transmission oil pressure	Reduse the engine oil pressure	reduce the hydraulic oil pressure	None of these	C	Easy
24	MIN/N0488	KC6	How much delay time remining in stearing valve in the time of turning	10 to 20 sec	15 to 20 sec	3 to 5 sec	None of these	C	Medium
25	MIN/N0488	KC3	What is the use of diffrential	to power transmute into the wheel	to power transmute in engine	to power transmute in compresor	All of these	A	Easy
26	MIN/N0489	KA10	How do operator decide the number, depth and place of the drilling holes?	Daily working record.	Acording to Surveying marks	Decided by supervisor	According to the document certified by earth engineer	C	Medium

27	MIN/N0489	KB2	What is the use of drilling labels marked on the drilling area?	Indicate the machine placing area	calculate the distance between drilling holes.	reflect the result after drilling	clearly show the location of the drilling hole to the operator	D	Medium
28	MIN/N0489	PC16	Can operator decide the angle of drilling hole by themselves?	No standard.	Yes, the operator can.	No, should according to the design drawing.	No, because operator don't want to travel the machine frequently	C	Medium
29	MIN/N0489	KC15	Jumbo Drill operates on:	Pneumatic pressure	Hydraulic pressure	Compressed air pressure	All of these	D	Medium
30	MIN/N0489	SA5	Which instrument is used to measure the noise level at the drill machine working area	Blastometer	Dosimeter	Personal dust sampler	Planimeter	B	Medium
31	MIN/N0489	SB3	Rotational speed of the drill bit can be controlled by varying the amount that the trigger	Switch	Rope	Plug	All of these	A	Medium
32	MIN/N0489	KC8	What are the quality of drag bits	Tough	Durable	Both of these	None of these	C	Easy
33	MIN/N0489	SA6	When the work area is far away from the power source use Of sufficient thickness and rated capacity	3 Pin	An Extension Cord	Drill bit	All of these	B	Easy
34	MIN/N0489	PC15	SSR stands for	Systematic Support Role	Systematic Support Rules	Systemmatic Supper Rules	None of these	B	Medium
35	MIN/N0489	SB1	How many types of tunnel Figure	Spherical Section	D Section	Horse shoe Section	All of these	D	Hard

36	MIN/N0489	PC14	What is use of gate end box?	Electric supply	Hydraulic supply	Penumatic supply	None of these	A	Medium
37	MIN/N0489	KC5	Which type of patern is used for D type tunnel	Parallel Cut patern	V cut patern	Burn cut patern	All of these	C	Hard
38	MIN/N0489	KC2	If the wet bulb temprature exceed 30.5 degree centigrate at any place air current should be faster than?	1 m/s	1.5 m/s	0.5 m/s	2 m/s	A	Hard
39	MIN/N0489	SA5	The ventilation door should open against the intake air so that?	Air leakage takes from intake to return	The air pressure normally keeps the door closed	Recirculation of foul air avoided	Regulations are compiled with	B	Medium
40	MIN/N0489	SA6	A horizontal passage underground through waste rock is	Decline	Level	Drive	Drift	A	Medium
41	MIN/N0489	KB3	The fall which takes place soon after withdrawal of support is called?	Local fall	Main fall	Air blast	Rock burst	A	Medium
42	MIN/N0489	PC14	..... is the resitance of destruction.	Durability	Moisture content	Permeability	Porosity	A	Medium
43	MIN/N0489	PC14	What should your first action be when treating an electrical burn?	Ensure that the casualty is still breathing.	Wash the burn with cold water	Check for danger and ensure that contact with the electrical source is broken	Check for level of response	C	Easy
44	MIN/N0489	KA12	The function of stemming in the blast hole	Fill the remaining space left after loading the explosive	Confine the explosive in the blast hole	Confine the detonator in the blast hole	None of these	B	Hard

45	MIN/N0489	KB4	Bench is	Vertical excavation made for production	Horizontal excavation made for production	Collection of stock in one place	None of these	A	Hard
46	MIN/N0489	SB5	In the event of a fire at your mine site you should only attempt to use a fire extinguisher if	The fire is only small	You have been instructed how to use one & feel competent to do so	The fire is beginning to spread	People are in imminent danger	B	Easy
47	MIN/N0489	KC3	Drifted is fitted on the	Plate	Transmission	Cradle	None of these	C	Medium
48	MIN/N0489	KB4	Where shank adpoter is fitted	On jack	Drifter	Cylinder	None of these	A	Medium
49	MIN/N0489	KC6	What is use of coupling slevs	To join the propeller shaft	To join the shank adapter & drilling rode	Both of these	None of these	B	Medium
50	MIN/N0489	KC5	What is use of venting in water pump	to remove water	to remove air	to remove hydraulic	None of these	B	Medium
51	MIN/N0490	PC3	When should the operator start the cleaning system of jumbo drilling?	Before drilling	After finishing the drilling job	After the drilling arm leaving.	Drilling hole deep enough and stop operation	B	Medium
52	MIN/N0490	SA2	Which is used to clean the drill hole?	Sand	Water	Grease	Mud	B	Easy
53	MIN/N0490	KC5	Which of the following componnent not present in the Jumbo drill machine?	Drilling console box	Pressure guage box	Throttle switch box	None of these	D	Easy
54	MIN/N0490	PC3	Clean and rinse the jumbo drill especially the crawler drive unit once in...	A day	A week	A month	A Year	B	Medium

55	MIN/N0490	KC3	Which is used to change pipe's direction	Elbow	Fastner	Both of these	None of these	A	Easy
56	MIN/N0490	PC6	What should be check If replacing of hydraulic pipe	Size	Length	Pressure Rating	All of these	D	Medium
57	MIN/N0490	KC3	Self starter is use for	Opperate the compresor	Cranking the hydraulic pump	Cranking the diesel engine	None of these	C	Easy
58	MIN/N0490	KC5	Which type of pump is use for to fuel supply in diesel engine in jumbo	rotary	gear	reciprocating	None of these	C	Hard
59	MIN/N0490	KA4	What is use of emergency stop button in jumbo drill	To stop jumbo imediately	To stop hydraulic pump imediately	to stop th comprsor	to stop the engine	A	Medium
60	MIN/N0490	KB3	At the time of commencement of blasting where drilling machine should be parked?	Rest Shelter	Blasting Shelter	Away from blasting zone	Near to blasting area	B	Easy
61	MIN/N0490	PC6	If the grease is contaminant with sand or dust it causes	Immediate damage to the rotary part	Early wear of rotary part	both A & B	None of these	B	Easy
62	MIN/N0490	PC3	The jumbo drill has just stopped work. Liquid is dripping and forming a small pool. What could this mean?	It is normal for fluids to vent after the machine stops	The machine is hot so the diesel has overflowed	Someone put too much diesel into the machine	The machine has a leak and could be unsafe	D	Medium
63	MIN/N0490	KC4	Which gas is use in accumulator?	Carbondioxide	Oxygen	Nitrogen	None of these	C	Hard
64	MIN/N0490	SB3	Drilling connects 4 works 1) Percussion 2) Feed 3) Rotation & 4) Flushing	TRUE	FALSE	-	-	A	Medium

65	MIN/N0490	KC2	Which type of boom in Jumbo drill	Telescopic	Spring	Bar	None of these	A	Medium
66	MIN/N0490	PC12	Which type cooling system in Diesel engine	Air Cooled	Water Cooled	Both of these	None of these	A	Easy
67	MIN/N0490	KA4	Which type of service break use in Jumbo drill	Disk Break	Neumatic Break	Drum Break	None of these	A	Easy
68	MIN/N0490	KA7	Where parking break installed in Jumbo drill	In Torque converter	On the propeller shaft	In the engine	None of these	B	Medium
69	MIN/N0490	KC6	Which Voltage Battery required in Jumbo	24	12	36	48	A	Medium
70	MIN/N0490	KB2	Capacity of main pump motor is	100 KW	60 KW	90 KW	95 KW	D	Hard
71	MIN/N0490	KB2	which type of button use in Hard Rock drill bits	Iron	Aluminium	Tungsten Carbide	Steel	C	Hard
72	MIN/N0490	PC7	How many types of spaner to use	Fix spanner	Ring spanner	Box Spanner	All of these	D	Easy
73	MIN/N0490	PC2	How to check fuel level in the engine	Deep stick	wooden stick	level guage	None of these	A	Easy
74	MIN/N0490	KC5	What is use of transmission	to transmit the hydraulic oil	to transmit the water	to transmit the power	All of these	C	Easy
75	MIN/N0490	PC5	How many hydraulic filter in jumbo	1	2	3	4	B	Easy
76	MIN/N0901	PC7	Which fire extinguisher is most suitable for electrical fire.	CO2	CH4	CO	None of these	A	Medium
77	MIN/N0901	PC3	When replacing high pressure oil duct of jumbo drilling, what is basic safety equipment required?	Fire Extinguisher.	Mask	Protective eye-glasses	All of these	D	Easy

78	MIN/N0901	PC2	The safety distance between drilling arm and high-voltage power cable is:	More than 3 metre	More than 6 metre	More than 10 metre	More than 15 metre	C	Hard
79	MIN/N0901	PC1	What is the best practical way to help new employee to prevent accident.	Buy life insurance.	Let them carry out simple task first.	Let them pass physical test.	Provide them with safety training.	D	Medium
80	MIN/N0901	PC1	What is the purpose to participate In on-site safety meeting?	Government regulations	Discuss working procedure.	Increase safety awareness of workers	Safety department finish their work easier.	C	Medium
81	MIN/N0901	PC4	To reduce site accident , who should participate and be responsible for safety at work?	Employer	Employee	Employer & Employee	Safety department	D	Medium
82	MIN/N0901	PC1	When more than 100 persons are employed in Mine,s then:	Safety Committee is not required under Mine's rule	Safety Committee required under Mine's rule	A and B both are correct	A and B Both are False	B	Medium
83	MIN/N0901	PC1	First aid training should be given to:	Only Security Guard	Only staff members	All employees of the industry	None of these	C	Easy
84	MIN/N0901	PC3	What are the main personal protective equipment used while drilling in mines?	Helmet	Goggles	Both of these	None of these	C	Easy
85	MIN/N0901	PC10	Fencing is done in prohibited are so that	No one can be safe	No one can enter in the prohibited area	No one can enter in the prohibited area	None of these	B	Easy
86	MIN/N0901	PC9	How can operator control the safe distance between	Stretch the drilling arm to	Do not stretch drilling arm	Depends on the length of drilling lever	Depends on the power of drilling machine	B	Medium

			drilling arm and drilling place?	maximum length.	maximum height of drilling place				
87	MIN/N0901	PC5	According to mines act 1952 working hours for all workers, both surface & UG , have been reduce to	24 per week	48 per week	60 per week	None of these	B	Hard
88	MIN/N0901	PC3	How mining accidents can be prevented:	By using personal protective equipment	By giving compulsory training programs to miners	By using up to date technical instruments	All of these	D	Easy
89	MIN/N0901	PC3	Which of the following is not a safety guard or protective device:	Safety Glasses	Work Gloves	wrist watch	footwear	C	Easy
90	MIN/N0901	PC5	DGMS shows	Ministry of Mines	Ministry of Labour	Ministry of Minerals	Ministry of coals	A	Medium
91	MIN/N0901	PC4	What is the normal sound level?	80 db	90 db	180 db	60 db	D	Medium
92	MIN/N0901	PC4	SOP stands for	SAFE OPERATING PRACTICE	SAFE OPERATING PROCEDURE	STANDARD OPERATING PRACTICE	STANDARD OPERATING PROCEDURE	B	Easy
93	MIN/N0901	PC5	For explosion what Danger zone specified by DGMS?	300 Metre	500 Metre	700 Metre	900 Metre	A	Hard
94	MIN/N0901	PC4	Why it is necessary to discuss the accident report	To gain knowledge	To prevent the future accident	Fear for the accident	All of these	B	Medium
95	MIN/N0901	PC3	PPE stands for	Personal Protective Enquiry	Personal Protective Equipment	Personal Preparatory Equipment	Personal Prepration Equipment	B	Medium

96	MIN/N0901	PC3	To whom you report an incident happens while at work	Your Supervisor	The Director	First Aider	Reception	A	Easy
97	MIN/N0901	PC4	Slips, trips and falls contribute to 50% of all accidents. What measures can be taken to reduce the risk of injury?	Keeping all equipment clean and well	Ensuring walkways remain unobstructed maintained	Reporting any slip, trip or fall hazards	All of these	D	Easy
98	MIN/N0901	PC4	In a week how many day the workmen's inspector will carry his duties as a workmen inspector.	6 days	5 days	3 days	2 days	D	Medium
99	MIN/N0901	PC10	Which gas is primarily responsible for green house effect i.e global warming?	Hydrogen Dioxide	Carbon Dioxide	CFC	Sulphur Dioxide	B	Medium
100	MIN/N0901	PC5	As per the mines act 1952, if person work spread for 12 hr in a single daythen no person shall work more than..... Hr continiously before he has had an interwal for rest at least half an hour.	4	5	3.5	4.5	B	Hard