

Job Role : Jack Hammer Operator :MIN/Q0212

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.
1	PC1	N 0241	Who gives the Instruction for Drilling Pattern	Manager	Mine Mate / Sardar	Asstt. Manager	Mining Worker	B	Easy
2			Length of the drill hole in Mining face is same or changes.	Same	As per Mine worker suggestion	As per Manager Instruction	Not same	D	Easy
3			Number of holes to be drilled in face is quantified.	Drilled holes are less	Drilled holes are more	Drilled holes are numbered	None of these	C	Easy
4			Drilling is done by fixed size Drill rod or Drill rod size is changed during the face Drilling.	Depending on requirement	Not required	Always required	None of these	A	Easy
5			In coal mine which machine is used	Jack hammer	Diesel driven drill	Coal cutting machine	Pneumatic drill	C	med
6			Coal cutting machine is operated by	Electricity	Petrol	Compressed air	Diesel	A	Med
7	PC2		Mining Face is dressed by	Hammer	Drill Rod	Crow Bar	Wooden Plank	C	Easy
8			Drilling safety is ensured by	Watering the face	Proper Dressing of the face	Blowing Air at the face	None of these	B	Med
9			Hard Mining face will require	Less Drilling time	Will not affect Drilling time	Same as loose face	More Drilling time	D	Easy
10			Loose Mining face will require	Less Drilling time	Will not affect Drilling time	Same as loose face	More Drilling time	A	Easy
11			In loose rock strata more safety is to be ensured	correct	wrong	No	None of these	A	Easy
12			In hard rock strata more safety is to be ensured	yes	correct	wrong	None of these	C	Easy
13			In loose rock strata more chances of Drill bit Breakage	No effect	Correct	Wrong	None of these	B	Med

14			In hard rock strata more chances of Drill bit wear	Correct	No effect	Wrong	None of these	A	Med
15	PC3		Air / water flushing is necessary at the start of drilling	No	Yes	may or may not be done	None of these	B	Med
16			Air / water flushing is also done intermittently during drilling	may or may not be done	No	Yes	None of these	C	Med
17			Jack hammer is mounted on	Wooden stand	Iron stand	Pusher leg	None of these	C	Easy
18			Pusher leg is operated by	Hydraulic oil	Water	Manually	Compressed air	D	Easy
19			For vertical Drilling Normal Pusher Leg is used	Yes	No	Done by Hand support	None of these	B	Med
20			Jack hammer Drill Rod is fitted with	Steel Bit	Copper Bit	Carbide Bit	Aluminium Bit	C	Easy
21			Drill Rod is replaced after finishing every hole	Wrong	Correct	only Bit is changed	None of these	A	Easy
22			Drill Rod is sharpened after finishing every hole	Wrong	Correct	never	None of these	A	Easy
23			Drill Rod bit is broken during Drilling	Wrong	Sometimes	Never	Correct	B	Med
24			Normally Drill Rod bit is wear during Drilling	Wrong	correct	Never	None of these	B	Med
25			Single Bit Drill steel is Normally used in Jack Hammer	Always	Never	Sometimes	None of these	A	Easy
26	PC4		When Drilling with heavy Jack hammer how many persons are holding the Jack hammer	one	three	two	four	C	Easy
27			For hard rock strata, which Jack hammer is used	Light	Heavy	Very Light	None of these	B	med
28	PC5		Drill holding Chuck holds the Drill Rod	Loose	Very Loose	Tight & no play	None of these	C	Easy
29			Check the Compressed Air Pressure	2 to 3 Kg/cm ²	6 to 6.5 Kg/cm ²	1 to 2.5 Kg/cm ²	3 to 4 Kg/cm ²	B	Med

30			Flushing water Pressure is same as	Same as Air Pressure	more than Air Pressure	Less than Air Pressure	None of these	C	Med
31			Before starting the Drilling,Drill Rod requires	No Grinding	Cleaning	Watering	Proper Grinding	D	Med
32			Before connecting the Drilling hoses, same should be	Cleaned	Watered	Flushed	None of these	C	Med
33			Oil Lubrication is provided for Jack Hammer	Never	Some times	Not required	Always	D	Med
34			Line Lubricator is filled with	Water	Air	Oil	None of these	C	Easy
35			Line Lubricator is operated by	Electricity	Compressed air	Water	Oil	B	Difficult
36	PC9		Drilling is started	without cleaning the face	After removing the muck	Before dressing of the face	After proper Dressing of the face	D	Med
37			Before Starting the Drilling in face, the face is inspected by	Mine Manager	Mine Mate / Sardar	Blaster	Driller	B	med
38	PC10		Face supported with Roof bolts are tighten	Daily	Weekly	While fittment	Every shift	C	Med
39			Roof Bolts diameter and Drill Diameter are	same	Drill dia more	Roof bolt dia more	None of these	B	Easy
40	PC13		Drilling is done	1 Foot apart	2 foot apart	3 foot apart	As per given Drilling Pattern	D	Easy
41			All Drill holes depth in a face is	same	3 ft	varies	None of these	C	Easy
42			Drilled holes Angle in face is	same	at 30 Degrees	Different	straight	C	Med
43	PC14		Worn out Drill Rod Bit is	Replaced	Cleaned with Air jet	Cleaned with water jet	Proper Grinding for its shape	D	Easy
44			Drill Rod has	Carbide Buttons	Square Buttons	Hexagonal Buttons	Embedded tybe Carbide Bit	D	Med
45			Drill Bit is grinded	after every hole	Daily	Bit is worn out	Weekly	C	Med
46			Useful life of Drill rod depends mainly on	Face condition	Air pressure	Water pressure	Rock condition	D	Easy

47			Drill Rod operates satisfactory with	Loose Rock	Hard Rock	No effect of Rock	Properly grounded Drill Bit	D	Med
48	PC16		Drill Hoses gives good lifewhen operated	In wet area	In Dry Area	In oil spilled area	None of these	B	Easy
49			Jack Hammer Drill spares give more life	With Air Lubrication	With Water Lubrication	With Line Lubricator	None of these	C	Med
50	PC17		Down time of Jack Hammer is reduced by	Cleaning the face	Clean face	Maintaining the Parts inventory	None of these	C	Easy
51	PC1	N 0242	Jack hammer Compressed air leakage to be checked at	Exhaust	At suction	Inside jack hammer	None of these	B	Med
52			Water leakage inside the Jack hammer shall be due to	Excess water pressure	Less water pressure	No water pressure	Water tube tip breakage	D	Med
53	PC2		Compressed air pressure is checked by	Hydraulic Pressure Gauge	Air pressure Guage	Temperature Guage	Vaccume gauge	B	Easy
54			Oil supply to Jack hammer is checked at	Pusher Leg	Suction of the machine	Exhaust of the machine	None of these	C	Med
55	PC3		Operating hours of Jack hammer is known by	RPM meter	Hour Meter	Air meter	None of these	D	Difficult
56	PC4		Hose leakage may mostly happen due to	Tight end connection	Loose end connection	Less air pressure	None of these	B	Easy
57			Hose condition is checked correctly by	Cleaning the hose with cotton waste	Washing hose with water	Bending the hose and checking for cracks	None of these	C	Med
58			Hose connections should be	Very loose	Tight	Loose	None of these	B	Easy
59			Air & water hoses diameter are of	Equal size	Water hose is Big	Air hose is Big	None of these	C	Easy
60	PC6		For proper support of Jack hammer	Check air hose for cracks	Check water hose for Cracks	Check pusher leg for damage	Check Drill rod for Damage	C	Med
61	PC8		Jack hammer Greasing is done	In every shift	Daily	Weekly	None of these	D	Difficult

62			Lubrication Oil is filled in	Air Hose	Water Hose	Line Lubricator	In Jack hammer	C	Med
63	PC9		Jack hammer is stopped after completing the face Drilling by	Closing the Jack hammer air inlet valve	Plugging the machine Hoses	Closing the Air line valve	plugging the the Pusher leg hose	C	Med
64			Air pressure inside Jack hammer is relieved while taking out the Jack Hammer from operation	Wrong	Right	Never done	Sometimes done	B	med
65	PC11		Jack hammer to be checked before drilling for	Adequate air pressure	Adequate water pressure	Sufficient oil level in Lubricator	All of these	D	Med
66			Jack hammer Air pressure is checked by	Hydraulic Guage orovided	Water pressure Gauge provided	Air pressure Gauge provided	Temperature Gauge	C	Easy
67	PC13		Operation & Maintenance Details are recorded in	Piece of paper	Diary	Computer	Logbook	D	Easy
68			Maintenance required for the Jack hammer is reported to	Mine Manager	Asstt. Mine Manager	Maintenance Engineer	Mine worker	C	Easy
69	PC1	N 0901	While Drilling it is safe to put on	Bare fitted	Sport shoes	Safety shoes	Boots	C	Easy
70			Ear protection during drilling is achieved by	using Goggles	putting Nose mask	using Ear plugs	wearing Helmet	C	Easy
71			Eye protection during drilling is achieved	using Goggles	putting Nose mask	using Ear plugs	wearing Helmet	A	Easy
72			Dust protection during drilling is achieved	using Goggles	putting Nose mask	using Ear plugs	wearing Helmet	B	Easy
73			Hand protection during Drilling is achieved	using Goggles	putting Nose mask	using Ear plugs	wearing Hand Gloves	D	Easy
74			Head protection during Drilling is achieved	using Goggles	putting Nose mask	using Ear plugs	wearing Helmet	D	Easy
75	PC2		After completing the Drilling, Hoses to be shifted	by manual pulling	by taking assistance of mine worker	Hoses to be rolled and shifted	To be left as it is	C	Easy

76			After completing the Drilling The jack hammer and accessories be shifted	one by one	by keeping on individuals head	by hand	using rubber wheel trolley	D	Easy
77	PC3		In case of accident, first report to	Manager	Engineer	Mine mate / Sirdar	Section Incharge	C	Easy
78			In case of minor accident, the person should be	Taken to office	To Hospital	To Ambulance	provided First aid	D	Easy
79			first aid box should have	Dettol	Iodine	Bandage material	All of these	D	Easy
80	PC4		Which type of Fire Extinguisher is used in mines	CO2 type	Foam type	Dry chemical powder	All of these	D	Easy
81			Which type of Fire Extinguisher is used in Electrical fires	CO2 type	Foam type	Dry chemical powder	Both A & C	D	Difficult
82			Which type of Fire Extinguisher is used in general fires like wood , paper	CO2 type	Foam type	Dry chemical powder	Both B & C	D	Difficult
83			Which type of Fire Extinguisher is used in Flamable oils / Liquids	CO2 type	Foam type	Dry chemical powder	All of these	D	Difficult
84			In case of fire	Leave the work place	Bring the fire Extinguisher from the nearest place and start extinguishing the fire	Inform to Engineer	Inform to Manager	B	Easy
85	PC6		Wearing Helmet is essential throught the drilling	Yes	Taken out after completing the drill hole	Taken out while carrying the Machine	None of these	A	Easy
86			Allow person to operate Drill without Hand gloves	Sometimes	No	Provide Cotton Rags and allow	None of these	B	Easy
87			Safety Goggle protects from any damage to	Hand	Ear	Eye	Health	C	Easy
88			Safety Goggle prevents our eyes from	Hitting our eyes by stone / ore particles	entering minute particle	any air / water jet unknowingly	All of these	D	Med

						coming towards you			
89			Nose mask prevents	spoiling Our face	dust entering through nose	spoiling Our Nose	None of these	B	Easy
90			Ear plugs will	Increase the noise	Protect our ears	Will limit the sound level	Both B & C	D	Med
91	PC8		Who inspects the misfire	Driller	Engineer	Blaster	Manager	C	Easy
92			Who is to be informed for misfire	Manager	Mine Mate / Sardar	Driller	Engineer	B	Med
93			Who will deal the misfire	Mine mate/ sardar	Driller	Blaster	Engineer	C	Med
94			Misfire takes place	Due to Drilling	Due to face conditions	Due to loose rock	None of these	D	Med
95			Misfire is mainly due to	Drilling problem	Mucking problem	Mistakes in Explosive loading	None of these	C	Easy
96			Fumes in face accumalets after Blasting	Always	Some times	Never	None of these	A	Easy
97			Fumes will clear in face due to	Improper Ventilation	Proper ventilation	No ventilation	None of these	B	Easy
98			What improves the fume clearance in face	water jet	Air jet	Auxiliary ventilation fan	None of these	C	Med
99			Misfire is noticed	Immediately after blasting	some time after Blasting	Only after fume clearance	None of these	C	Med
100			Workmen are allowed to enter the face	Immediately after blasting	Only after fume clearance	After dealing misfire if any	Both B & C	D	Difficult