

**Job Role: Wire Saw Operator****MIN/NO203**

Sr. No	NOS Code	PC Code	Question	Option A	Option B	Option C	Option D	Answer	Level-E/M/H
1	MIN/NO209	PC1	The diamond wire is referred to as a	Finishing tool	Cutting tool	Shining tool	Polishing tool	Option 2	Easy
2		PC2	The .....guard is a safety device that prevents accidental contact with the tool, intercepts flying parts and at the same time acts as a spray guard	Platinum safety	Diamond safety	Silver safety	Diamond wire	Option 4	Easy
3			Storage of wire saw in .....recommended ambient temperature conditions	Between -5 °C and 50 °C	Between -10 °C and 50 °C	Between -15 °C and 50 °C	Between -5 °C and 30 °C	Option 3	Difficult
4			Usage of wire saw in .....recommended ambient temperature conditions	Between -25 °C and 50 °C	Between -45 °C and 50 °C	Between -90 °C and 50 °C	Between -15 °C and 50 °C	Option 4	Difficult
5			Cutting speed of the wire saw machine depends upon.....	Nature of ground	Nature of mine	Nature of material	None	Option 3	Medium
6			Cutting speed of the wire saw machine in case of granite varies between	20-25 cm/s	20-25 mm/s	20-25 m/s	20-25 km/s	Option 3	Medium
7			Cutting speed of the wire saw machine in case of abrasive materials, new concrete, asphalt varies between	25-30 cm/s	25-30 m/s	25-30 cm/min	25-30 cm/min	Option 2	Medium
8		PC3	The diamond wire saw is designed and built for the following application. Which is false in that	Cutting of concrete (including reinforced concrete) and natural stone, for other materials	Cutting of parting cuts, flush cuts, cross-cuts and joints in ceilings, floors or walls	Diamond wire saws should only be used and operated with the authorised anchoring systems	Cutting wood, glass and plastics	Options 4	Difficult

9			The following applications are prohibited in application of diamond wire saw. Find out which is odd one	Cutting wood, glass and plastics	Cutting of parting cuts, flush cuts, cross-cuts and joints in ceilings, floors or walls	Cutting without system and tool cooling	Cutting without the safety devices provided	Option 2	Difficult
10		PC4	Make sure you equipment is clean	Before you see it	After you see it	Both a & b	When time permits	Option 2	Easy
11			Which statement is not true in the options	Ensure that the wire saw itself and all pulleys are anchored and secured	Ensure that all guards are in place	Ensure that all unauthorized and unnecessary people are out of the sawing area.	Enter the danger zone during sawing, even for a short time	Option 4	Medium
12			The drive which operates the drive wheel that drives the cutting wire	Feed drive	Clamp drive	Cutting drive	None	Option 3	Medium
13			.....Operates the bow holding the wire drive system, to feed the wire through the pipe and retract the bow when finished cutting	Clamp drive	Feed drive	Cutting drive	None	Option 2	Medium
14			.....Operates the clamping arms that secure the machine to the pipe during cutting	Clamp drive	Feed drive	Cutting drive	None	Option 1	Medium
15			.....Look for loose bolts or nuts, leaking lubricant, rusted components, and any other physical conditions that may affect operation	Once	Before starting	After starting	Middle of shift	Option 2	Easy
16		PC5	Current diamond wire saws are controlled via the drives by means of a .....	Manual	Remote controller	Manual or remote controller	None	Option 3	Easy

17		PC6	Before commencing the cutting process with wire saw in any buildings, or permanent structures...ensure that	Electricity is disconnected or not	Electricity is energized	No need of conformation	None	Option 1	Medium
18		PC7	Overall system of wire saw cutting machine to be visually inspected	Before each start-up	Upon completion of work	As per operator wish	Weekly	Option 1	Easy
19		PC8	Overall system of wire saw cutting machine to be cleaned normally in	Upon completion of work	Before each start-up	Annually	Weekly	Option 1	Easy
20			Major service of wire saw cutting machine normally	Upon completion of work	Before each start-up	Annually	Weekly	Option 3	Easy
21			Cutting tool of wire saw cutting machine to be visually inspected	Weekly	Upon completion of work	As per operator wish	Before each start-up	Option 4	Easy
22		PC8	Diamond cutting tool will change in case of	Before each start-up	Upon completion of work	Annually	In the event of damage	Option 4	Medium
23		PC10	Water nozzles and feed hoses / cables of WIRE SAW CUTTING MACHINE TO BE VISUALLY INSPECTED	Upon completion of work	Before each start-up	As per operator wish	Weekly	Option 2	Medium
24		PC10	Normally the accessible nuts and bolts of wire saw cutting machine will retighten in the interval of .....	Quarterly	Weekly	Monthly	Annually	Option 2	Medium
25		PC10	Toothed belt and toothed wheels normally change in the interval of.....	Annually	Daily	In the event of damage	Option 1 & 3	Option 4	Medium
26	MIN/N0210	PC1	Wood can be used as an auxiliary material in diamond wire cutting for guiding the cut.	The wood should always be wetted before being used	The wood should always be dry before being used	The wood should always be rotten	None	Option 1	Medium

						before being used			
27		PC2	Improper maintenance of wire saw cutter will results...	Shorten the lifespan of machinery,	Cause it to breakdown frequently	Require costly repairs	All the above	Option 4	Easy
28			Arrange the sentences in the order while cutting the diamond wire. 1. Make a clean and straight cut in the diamond wire with the cutting-off wheel 2. Using the cutter separate the steel wire from the plastic sheathing 3. Remove steel spring using the universal pliers	123	132	321	NONE	Option 2	Medium
29		PC3	Pressing the diamond wire into the hinged connector the pressind dimension should not exceed	7.8mm	7.8cm	7.8 m	11 cm	Option 1	Difficult
30			When diamond wire rope cuts very slow then what is the possible cause for that....	Diamond wire speed too high	Excessively sharp edges	Diamond wire vibrates heavily	Heavy wear at connector, incorrectly mounted	Option 1	Difficult
31		PC4	Insufficient clearance between drive wheel and the material to be cut leads to	Diamond wire broken at connector	Unilateral diamond wire wear	Diamond wire cuts very slowly or not at all	None	Option 2	Difficult
32		PC5	Excessive pull on the diamond wire, excessively sharp edges, , traction wire vibrates heavily all these factors leads to	Diamond wire broken at connector	Diamond wire cuts very slowly or not at all	Unilateral diamond wire wear	Diamond wire break behind the connector	Option 4	Difficult
33		PC6	Excessively tight arc radius, traction wire vibrates heavily, connector incorrectly pressed all these factors leads to...	Diamond wire broken at connector	Diamond wire break behind the connector	Unilateral diamond wire wear	Diamond wire cuts very slowly or not at all	Option 2	Difficult

34		PC7	Diverter rolls sit at an angle and diamond wire is prevented from turning by the roll edges what is the measure for that	Correct the alignment of the diverter rolls with diamond wire or alignment line	Feed more water for cooling	Reduce contact length, position diverter rolls	Sharpen diamond wire, reduce diamond wire speed	Option 1	Difficult
35		PC8	Diamond wire broken and jammed in cut in the cutting process what is the possible cause	Unilateral diamond wire wear	Material to be cut not wedged	Diamond wire speed too high	Excessively sharp edges	Option 2	Medium
36			What is the possible cause for diamond wire slips on drive wheel	Increase angle of arc by increasing size of diverter rolls	Grind-in diamond wire	Replace rubber bandage	Inadequate diamond wire tensioning	Option 4	Medium
37		PC9	While operating the diamond wire saw found the fault that strong and rapid vibration of diamond wire then what are the possible causes	Mount more diverter rolls	Break edges and position diverter rolls	Excessive diamond wire tensioning	Reduce speed of drive wheel	Option 3	Medium
38			Diamond wire is pulled out of press connection then what are the possible cause for that	Tongs incorrectly adjusted, inadequate	Small kinks caused when turning	Very soft material to be cut	Reduce feed pressure	Option 1	Medium
39			.....Commonly used a wire saw to cut hard stone into large blocks that can then be shipped to processing plants to be further refined.	Mining industry	Fishing	Agriculture	Leather	Option 1	Easy
40			While performing the wire saw cutting operations the operators are .....	Exposed to vibration in low	Vibration more	No vibration from the cutting	None	Option 3	Medium
41		PC10	What is the more important factor to be considered before cutting with the wire saw cutting machine	Alignment of the holes	De-alignment of the holes	Operator	Supervisor	Option 1	Medium
42			While operating excessive noise from concrete cutting and drilling is a workplace	Hazard	Safe	Risk	None	Option 1	Medium

43			Wet cutting should be done by .....operated equipment which is odd one in options	Hydraulic	Pneumatic	Electric	Petrol engine	Option 3	Medium
44			Appropriate checks, tests and inspections of equipment are carried out as necessary to ensure the equipment is in	Working order	Good working condition	Safe working condition	None	Option 3	Medium
45		PC11	The specified blade speed matches the saw	Drive speed	Starting speed	Stopping speed	Clutch	Option 1	Difficult
46			While fitting the rails, the cutting line is marked and the positions of the drill holes for the expander bolts are marked at a distance of at least .....from the cutting line	750mm	850cm	750m	750cm	Option 1	Difficult
47			What do you mean by automatic cut off switch	All the operations will shutdown	Only some controls will shutdown	3 controls will should down	5 controls will shutdown	Option 1	Difficult
48			If the fluid level is under the MAXIMUMMARK, the fluid must be	Add	Remove	Unchanged	None	Option 1	Easy
49		PC12	When battery acid spill on your skin then immeately	Flush the area with large amount of water	Flush the area with large amount of acid	Flush the area with large amount of kerosene	Flush the area with large amount of diesel	Option 1	Easy
50	MIN/N0211	PC1	The primary purpose of employee safety programme is to preserve the employees	Mental health	Physical health	Emotional health	All the above	Option 4	Medium
51		PC2	All the following are correct ways of getting familiar with new wire saw cutting machine operating except	Learning	Training	Getting updates of machine	Purchasing new machine	Option 4	Medium
52		PC3	If Mr.x is injured at work no matter how significant it is, he must .....	Go home	Report it to your supervisor	Go to hospital	Tell your family	Option 2	Easy

53		PC4	To whom you report an incident happens while at work	Your supervisor	The director	First aider	Reception	Option 1	Easy
54		PC5	The purpose of " permit to work" is to	Ensure that potentially dangerous work is done safely	Ensure that only competent worker undertake the job	Ensure that the correct tools and equipment are used on a job	Ensure the emergency procedures are in place	Option 2	Difficult
55			To whom should near miss accidents be reported	To the safety officer	To the personal department	To the immediate supervisor	Not to report such incidents	Option 3	Medium
56			If any unwanted noise coming from the wire saw cutting machine while working. Then immediately.....and inform to.....	Stop, supervisor	Start, supervisor	Start, mechanic	Stop	Option 1	Medium
57		PC6	Which of the following certificate is considered as a valid first aid certificate for any persons working there in a mine	Certificate from medical association of India	Certificate from local dispensary	Certificate from area level hospital	Certificate from ST. John's ambulance association (India)	Option 4	Difficult
58			The purpose of entering observation of wire saw cutting machine problems by operator into logbook	Not to rectify the problem	To see the problem and leave the dozer	To repair the problem by an authorised mechanic	For record purpose	Option 3	Medium
59			Initial training or basic training of work at mines should be arranged by	Operator	Supervisor	Manager	Director	Option 3	Difficult
60			During training the operator is .....	Not given any wages	Will get the wages	Operator has arrange his own training	None	Option 2	Medium

61		PC7	In VTC rules, 1966 the wire saw cutting operator comes in which schedule	Schedule -I	Schedule -II	Schedule -III	Schedule -IV	Option 1	Difficult
62			Mr. Y has large hands; he just used the last pair of large gloves in the box. He looked everywhere and there are no large gloves available	Mr. Y should carry out the activity without gloves.	Mr. Y should report the lack of large gloves to his supervisor right away.	Mr. Y should file a complaint to the DGMS	Mr. Y should wait until next month's Health and Safety meeting to report the lack of gloves	Option 2	Medium
63			Which of the following certificate is considered as a valid first aid certificate for any persons working there in a mine	Certificate from medical association of India	Certificate from local dispensary	Certificate from area level hospital	Certificate from ST. John's ambulance association(In dia)	Option 4	Medium
64			Before commencing any operations in mine the new operator who recently joined needs to fill the .....	Bio data in prescribed form	Log book	Ledger book	None	Option 1	Medium
65	MIN/N0204	PC1	When touching the diamond wire it is recommended that protective.....are worn	Helmet	Shoes	Gloves	All the above	Option 3	Easy
66			To whom should near miss accidents be reported	To the safety officer	To the personal department	To the immediate supervisor	Not to report such incidents	Option 3	Easy
67		PC2	What is an example of safe behaviour at the work place?	Never use hazardous substance	Always wear PPE	Speak to the person when they perform an unsafe action	Insist persons to do unsafe actions	Option 3	Medium



68		PC3	What colours are used on signs of firefighting equipment	Black pictogram on a yellow background	White pictogram on a red background	White pictogram on a green background	Black pictogram on a red background	Option 2	Medium
69			What should you do with your personal protective equipment	Have an expert inspect it after every use	Take proper care of it	Have your name on it	After use throw it away	Option 2	Medium
70		PC4	What is explosion-hazardous environment	An environment with too much gas and little air	An environment in which an explosive mixture can occur	An environment where explosions are a frequent occurrence	None	Option 2	Difficult
71			What factor has direct impact on the risk associated with work?	The health & safety plan	The work place	The supervision exercised by client	None	Option 2	Difficult
72			What rule applies to use of protective clothing while at work	Replace your clothing once a year	Replace your clothing one a month	Immediate replace your torn/worn clothing at your own cost	Immediately repair or replace torn/worn clothes	Option 4	Easy
73		PC5	PPE stands for	Personal protective apparatus	Personal protective equipment	Personal preparatory equipment	Personal preparation equipment	Option 2	Easy
74			Match the following PPE equipment protection to the a. Hard hat b. Googles c. Shoes 1. Eye 2. Foot 3. Head	A-2,B-1,C-3	A-3,B-1,C-2	A-1,B-2,C-3	A-1,B-1,C-2	Option 2	Difficult

75		PC6	Which one of the following is "false"	The direct costs of workplace-related injuries are worker's compensation premiums paid and worker's compensation payments	A hazard is any situation that has the potential to cause injury, illness or death	Safety sign can prevent accidents	None	Option 4	Medium
76			If your helmet is broken in the middle of the shift then what action you will take	Inform the supervisor and get new one	Continue with the same	Exchange after work	None	Option 1	Medium
77			Who among the following uses safety gloves	Person engaged in handling electric equipment	Person engaged in welding operation	Person handling hot objects	All the above	Option 4	Difficult
78			Accidents are best prevented by	The health & safety executive	Employers inspecting work places	People being aware of hazards and working in a safe manner	The managing director	Option 3	Medium
79			Touching a tool whilst it is still in .....is prohibited	Motion	Steady	Stop	None	Option 1	Easy
80		PC7	Helmet wears by the operator for	Safety	Comfort	Benefit	None	Option 1	Easy
81			Physiological hazards are	Noise, equipment, vibration	High level of stress	Biological, such as resulting from cross contamination	All the above	Option 2	Difficult

82			Which among the options is true regarding health and safety	If no notification is made of an injury sustained compensation can be obtained for that injury	A duty of care in the workplace is responsibility of employer	Emergency procedures have been devised to keep everyone safe	If you have to evacuate the workplace during an emergency, ensure that you take all of your personal belongings before evacuating the building	Option 3	Difficult
83		PC8	.....due to defective electro technical equipment	Electric shock	Head injury	Finger cut	None	Option 1	Medium
84			When should you wear cyclops glasses?	During grinding, hacking and drilling.	When you connect/disconnect product hoses	During gas welding	None	Option 1	Medium
85			What is impossible for gloves to protect against?	Cold or heat.	Turning parts.	Hazardous substances.	None of these	Option 2	Medium
86			Any spill on the floor can cause an accident. Always clean it up	At once	During clean up time	When you have time	at the end of the period.	Option 2	Medium
87		PC9	Good work practices include	Smelling and tasting chemicals	Not washing hands before and after work	confining long hair and loose clothing	using damaged equipment and glassware	Option 3	Medium
88			When cutting, drilling or shaping fibre insulation:	Wear protective clothing	Use a suitable dust mask	avoid contact with your eyes	All the above	Option 4	Medium

89			Which one of the following statements is true? Regulations that govern health and safety at mine/site/factory	Apply only to inexperienced workers	Apply to all people in the mine/ factory or on site at all times	Apply only to large organisations	Do not apply during "out of hours" working	Option 2	Medium
90			The main purpose of first aid at work is to.....	Ensure that all first aid boxes are full.	Ensure that only certain medicines are available to injured or ill workers.	Ensure that suitable health surveillance is undertaken.	Preserve life and minimise the consequences of injury or illness until help from a competent person is obtained.	Option 4	Medium
91		PC10	Keep all the tools in .....condition and learn correct way to use it.	Dirty	Bad	Worse	Good	Option 4	Easy
92			When disassembling or assembling, support the machine with blocks, jacks or stands .....	After work	Before work	Option 1 or 2	None	Option 2	Medium
93			A screw driver is identified by....	The length of its handle	Its torque	The type of screw it fits	The width of the tip	Option 3	Medium
94			Never operate concrete cutting and drilling equipment while standing on	A scaffold	A ladder	On ground	On permanent platform	Option 2	Medium