

Job Role: Shotfirer/Blaster			MIN/Q0428						
Sr. No.	NOS Code	PC Code	Question	Option A	Option B	Option C	Option D	Answer (A/B/C/D)	Difficulty Level (Easy/Medium/Hard)
1	MIN/N0479	PC1	What type of explosives to be issued from the Magazine?	Explosive returned by the user of previous shift.	From fresh stock.	Each shift will be issued from Separate stock.	None of the three.	A	M
2	MIN/N0479	PC2	When a shot firer shall fill transit slip, if he has to perform four round of blasting?	At the end of fourth round.	At the end of second and fourth round.	After each round.	Any time convenient to him.	C	H
3	MIN/N0479	PC3	Normally for carrying 13 kg of explosive from magazine to mine, How many containers are required?	1	2	3	4	C	E
4	MIN/N0479	PC3	What type of container is required for carrying explosive?	Cast Iron	Copper	Aluminum	Heavily galvanized Iron or steel.	D	M
5	MIN/N0479	PC4	Who will keep the key of explosive boxes and detonator boxes.	Explosive carrier.	Shot firer	Explosive box key with Carrier and Detonator box with shot firer.	Magazine clerck.	B	M
6	MIN/N0479	PC4	Where the explosive and detonator boxes are kept in a mine?	In Intake airway, near the face.	At pit bottom.	At reserve station.	At pit top.	C	E
7	MIN/N0479	PC5	A shot firer shall be holder of?	Mangers' Certificate of Competency.	Over man's certificate of Competency.	Sirdar Certificate of competency.	Any of three.	D	M
8	MIN/N0479	PC 5	What is the Maximum number of shot a shot firer can fire , with a multi shot exploder?	60	70	80	100	C	M
9	MIN/N0479	PC5	Where detonator should be inserted into priming cartridge?	At reserve station .	At last ventilation connection.	Any dry place near the face to be blasted.	Any of the three.	C	m

10	MIN/N0479	PC6	Why it is necessary to carry explosive and detonators via different routes in each shifts?	For security reason.	For convenience.	Both A & B.	No, it shall be carried via same route in each shift.	D	H
11	MIN/N0479	PC7	Of what minimum size the word "EXPLOSIVE" shall be written on van carrying explosives.	15 cum	20 cm	25cm	30cm	C	H
12	MIN/N0479	PC 7	The word Explosive shall be marked on both sides of Explosive Van in Color.	Green	Orange	Blue	Red	D	E
13	MIN/N0479	PC8	What steps are required to be taken when two underground galleries are about to join?	One face is stopped and fenced off.	While blasting persons of both side to be withdrawn.	All check required before blasting will be done in both side.	All the three.	D	M
13	MIN/N0479	PC9	In opencast, What is called Deep Hole Blasting?	Blasting holes deeper than 3m.	Blasting holes deeper than 6m.	Blasting holes deeper than 4m.	Blasting holes deeper than 5m.	A	D
14	MIN/N0479	PC10	What is specified danger zone for open cast blasting?	50m	150m	300m	500m	D	E
15	MIN/N0479	PC10	What extra precaution is required if a public road or Rails falls in Danger Zone?	Effective system of telecommunication	At least one Person posted in each direction of road to control traffic	Loud speakers	All the three	D	M
16	MIN/N0479	PC11	When use of permitted explosive is essential in Sinking shaft?	When sinking shaft touches Coal Seam.	When sinking shaft is within 5m of Coal seam.	When sinking shaft is within 10m of Coal seam.	When sinking shaft is within 1m of Coal seam.	B	M

17	MIN/N0479	PC12	What is Burden, in open cast blasting?	Distance between two holes.	Depth of the deep hole.	Height of stemming column.	Distance of first row of hole from free face.	D	E
18	MIN/N0479	PC13	On what factors the volume of material to broken depends in open cast blasting?	Burden	spacing	Hole depth	All the three	D	H
19	MIN/N0479	PC14	On what factors charge per hole is decided in Open cast blasting.	Burden	spacing	Hardness of strata	All the three	D	E
20	MIN/N0479	PC15	How to reduce ground vibration in opencast blasting?	By reducing charge per delay.	By providing Good free face.	By correct blasting geometry.	All the three.	D	M
21	MIN/N0479	PC16	What are the normal Drill Pattern used in Underground mines?	Wedge Cut.	Fan Cut.	Both A & B.	French Cut.	C	E
22	MIN/N0479	PC17	How to control flying rocks in open cast blasting?	By muffle blasting.	By avoiding the use of Delay detonators.	By increasing the size of flying rocks.	By using low explosive s.	A	D
23	MIN/N0479	PC18	Who is empowered to approve and permit Explosive Van for use in Mines.	Controller of Explosive.	Regional Inspector of Mines.	Both	Manager	C	E
24	MIN/N0479	PC19	What information's from previous shift is helpful for a shot firer?	Balance blasted materials at the face.	Safety status of the face.	Misfires status of previous shift.	All The three	D	E
25	MIN/N0479	PC20	What is the affect of poor fragmentation in coal or Over burden in open cast mines?	Efficiency of loading machines reduced.	Secondary blasting required.	Overall production reduced.	All the three	D	E
26	MIN/N0479	PC21	Which category of explosive the Gun powder is?	High.	Medium .	Low	Permitted .	C	M
27	MIN/N0479	PC21	What is full form of SME.	Site Mix slurry Emulsion.	Site Mix Emulsion.	Site Mix Explosive.	None	B	E
28	MIN/N0479	PC21	What is full form of ANFO.	Almunium Nitrate Fuel Oil.	Amonium Nitrate Fuel Oil.	Amonium Nitride ferrous oxide.	None	B	E
29	MIN/N0479	PC11	What is the delay interval of delay detonators?	5 mili sec.	10 mili sec.	15 mili sec.	20 mili sec.	C	E

30	MIN/N0479	PC21	What is called a Sleep Hole?	Holes not blasted on the day it was charged.	Holes drilled but not charged.	Holes remained unblasted.	None of these.	A	M
31	MIN/N0479	PC21	What is inverse Initiation?	Placing detonator back of stemming.	Placing detonator back of Shot hole.	Blasting without cartridges.	Blasting with amins.	B	M
32	MIN/N0479	PC22	Who specify the rules for transportation of explosives in bulking mines area?	Controller of explosive	Chief inspector oh mines.	Regional inspector	Any one of the three	B	H
33	MIN/N0479	PC23	Who will keep key of explosive boxes during transportation.	Explosive Carrier.	Magazine clerk	Shot firer	CISF of Security in charge.	C	M
34	MIN/N0479	PC24	In case of opencast mines, who is responsible to draw a plan to deal with Misfire shot?	Owner	Agent	Manager	All the three	D	M
35	MIN/N0479	PC25	How the connection for firing more than one shot in underground is made?	In parallel.	In series.	Either A or B.	None of these.	B	M
36	MIN/N0480	PC1	How the general public and workmen shall be warned before blasting operation in open cast mines.	By blowing siren	By fixing blasting timings.	Placing flags and guards.	All of three.	D	E
37	MIN/N0480	PC2	What action a shot firer shall take if the exploder is not in condition to fire the designed number of shots?	Return the same to manufacturer for repair.	Return the same to Manager.	Return the same to Agent.	All the three.	B	E
36	MIN/N0480	PC3	When the shot firer shall priming of cartridges in underground mines?	At beginning of the shift	After drilling and counting of holes are complete.	In Tiffin time	At the end of the shift	B	M
37	MIN/N0480	PC4	Where use of permitted and sheathed explosive is necessary?	In gassy seams in underground.	Only in gassy seams of second and third degree.	In Open cast	In all coal seams	B	H
38	MIN/N0480	PC5	What precaution are to be taken while firing more than one shot at same time in underground mine.	Connected in series.	Cable to the shot firing cable shall be connected at last.	All detonators shall be of same electrical resistance.	All the three	D	M

39	MIN/N0480	PC6	When the detonator shall be inserted in priming cartridge?	At the beginning of the shift.	At the end of the shift.	Immediately before blasting.	Any suitable and free time	C	M
40	MIN/N0480	PC7	At the time of blasting if shovel goes under breakdown at the face after the charging of holes of opencast mines. What action as a shot firer will you take?	Blast the hole after properly guarding the shovel.	Inform the authorities about the problem and act as advised by Manager.	If not repaired , allow sleep holes with permission of Manager	Both B& C.	D	H HH
40	MIN/N0480	PC8	How the Consumption of Explosive is assessed in SMS/SME explosives.	By taking the initial and final readings of Pump Track at weigh bridge.	Checking the readings from meter fitted un pump track.	Tallying both and Considering lower of the two reading.	By weighing charge poured in each holes?	C	