

Job Role		Mine Welder							
S.No.	NOS CODE	PC CODE	Question	Option A	Option B	Option C	Option D	Answer	Difficulty level
1	MIN/N0464	PC 1	For Welding work Correct procedure fo cleaning the weld material is by	Grinder or wire brush	Cloth	Water jet	Non of above	A	E
2	MIN/N0464	PC 1	For welding the Mild steel the normal current range for 4 mm electrode may be	60 - 90 amp	100 - 120 amp	140 - 170 1mp	Non of above	B	M
3	MIN/N0464	PC 1	For joining of disimilar material the welding electrode may be	Xuper 680 CGS	Xuper 660 CGS	Eutec Trode 680	Non of above	A	M
4	MIN/N0464	PC 2	The normal current range to weld engine block crack welding, using 4 mm Eutec Trode 2101 E electrode	90 - 110 amp	120 - 140 amp	140 - 160 amp	180 - 200 amp	C	H
5	MIN/N0464	PC 2	For welding work earthing cable to be connected with	Secondary transformer	Primary transformer	body of welding machine	Non of above	C	E
6	MIN/N0464	PC 3	The main items required for gas welding is	Welding Torch	Gas cylinder	Welding rod	All of above	D	M
7	MIN/N0464	PC 4	In hard facing work the electrod used for buffer layer	Xuper 680 CGS	Lotherme -469	BOBHARD 73 S	All of above	B	H
8	MIN/N0464	PC 4	For welding Aluminum the required electrod may be	BOBNIMO	LOTHERME - 210	EutecRod 21 FC	All of above	C	H
9	MIN/N0464	PC 4	The selection of electrode normally depends on which major factors	Type of base metal	Service condition	All of above	non of above	C	M

10	MIN/N0464	PC 5	For welding thick metal the required current range may be	required higher range	required lower range	required normal rrange	Non of above	A	M
11	MIN/N0464	PC 5	For welding thin metal plate the required diameter of electrod may be	Medium	higher	Smaller	Non of above	C	E
12	MIN/N0464	PC 5	The normal temp. range required for rebaking of moist electrodes	50 - 100 degree centrgrate	100 - 150 degree centrgrate	150 - 250 degree centrgrate	250 - 300 degree centrgrate	D	H
13	MIN/N0465	PC 1	Why procurment of electrode and other material are required prior to stop the machine for welding work ?	To minimise idle time of machine	Less time required to execute the work	both A and B are correct	Non of above	C	M
14	MIN/N0465	PC 2	Before stoping machine for welding work,we must do	Arranged and checked welding machine & other accesories	Procured required material from store	Procure required electrodes to complete the job.	All of above	D	M
15	MIN/N0465	PC 3	prior to start welding process welder must inspect that	Welding electrod should not be moist.	electrod surface should be cleaned.	Know the required current range for welding.	All of above	D	M
16	MIN/N0465	PC 3	Prior to welding welder must inspect that	Cable connection at Holder and mqchine must be intact.	Weld surface must be cleaned.	Weld material should be properly earthed.	All of above	D	E
17	MIN/N0465	PC 4	Main points of standared work instructions are	clean machine and surrounding area.	Check machine condition	Welding Torch and Nozzles must be cleaned properly.	All of above	D	E
18	MIN/N0465	PC 4	The standared work instructions for gas welding process	Welding Torch and Nozzles must be cleaned properly.	Gas tubes should be checked for crack and looseness.	Gas clinder must be placed in trolley properly.	All of above	D	E

19	MIN/N0465	PC 5	How gas cylinder must be kept on shop floor	In laid down position	In vertical position fixed on trolley.	In tilting position fixed on trolley as per norms.	All of above	C	E
20	MIN/N0465	PC 6	The surface cleaning of work piece may be carried out with the help of	Water jet	Cloth	Grinder or wire brush	Non of above	C	E
21	MIN/N0465	PC 7	For strong joint The edge to be prepared by	Chipping	Wire brush	grousing	Non of above	C	E
22	MIN/N0466	PC 1	Before stopimg any machine for welding work a welder must have quality to	understand drawing of welding piece after receiveing work permit.	arrange electrod required to complete the job.	Check machine & accessories prior to start welding.	All of above	D	E
23	MIN/N0466	PC 2	For welding a piece above ground what is to be done?	Hold work piece with the help of Jig / clamp.	and align with the help of electrodes.	Than welding to be done.		D	E
24	MIN/N0466	PC 3	What will be the arc length For welding thin metal piece with low current	Normal arc length	Short arc length	Larger arc length	All of above	C	M
25	MIN/N0466	PC 3	What will be the current requirement For welding thin mild steel piece with 2.5 mm electrode ?	45 - 100 amp	100 - 120 amp	130 - 170 amp	Non of above	A	M
26	MIN/N0466	PC 4	In Gas welding Normal consumption of Oxygen cylinder per Acetelene cylinder is	One Cylinder	Two Cylinder	ThreeCylinder	Four Cylinder	C	E
27	MIN/N0466	PC 4	FCAW (flux cored arc welding) is widly used in construction activities because of	Its high welding speed and portability	mainteneng arc length for welding is not required	welding is easy with fluctuation of current	All of above	A	M
28	MIN/N0466	PC 6	Visual inspection test of welding known as	Destuctive test	Non Destructive test	surface defect test	Non of above	B	M

29	MIN/N0466	PC 6	A test in which breaking the welded component and evaluating various characteristics, is known as	Compressive test	Destuctive test	Non Destructive test	All of above	B	M
30	MIN/N0466	PC 7	What is the advantage of Destructive & Non Destructive test	To make modifications in the welding parameters as per test result.	For maintaining records	As required by DGMS	Non of above	A	H
31	MIN/N0466	PC 8	The simple and practical method for repairing of roll crusher, which consumes lesser time, may be known as	In-situ grinding(cutting) processing method	In-situ welding repair method	In-situ cutting and welding repair method	Non of above	C	H
32	MIN/N0466	PC 9	What care to be taken in In-situ welding repair method	Monitor The welding process	Maintain the arc length for better result.	Watch current parameters for proper result.	All of above	D	M
33	MIN/N0466	PC 11	What is to be done so that overall quality of weld is as per desired standard	Watch and take preventive care while welding	Proper cleaning to be done prior to welding	select proper size electrode	All of above	D	E
34	MIN/N0466	PC13	We should remove extra weld material, flux etc. with the help of	Grinder	Chippers or chipping hammer	Both A and B are correct	Non of above	C	E
35	MIN/N0467	PC 1	For mass production inspection tool used to check a work piece against its allowed tolerances.	Measuring scale	Depth gauge	Go - no go gauge	All of above	C	M
36	MIN/N0467	PC 2	When a hardfacing deposit is made on mild steel, why first layer of hard facing may not give required hardness	The first layer may get diluted with the base material hence may not give required hardness	When depositing a hardfacing which is air hardening hence may not give required hardness	It will give required hardness in first layer of hard facing.	Class D	A	M

37	MIN/N0467	PC 3	Why separation of defective piece after repairs to be made.	So save fitting time by using correct repaired piece	The defective piece can be further rectified in spare time.	Both A and B are correct.	Non of above	C	E
38	MIN/N0467	PC 4	What is to be done if repaired piece is still not fittable & beyond repair.	Sagrigate the same and stack seprately for disposed off	Seprate them for again repair	Both A and B are correct.	All of above	A	E
39	MIN/N0467	PC 5	Why data recording for all the activity is essential	To avoid repetition of work	not to waste time on repair of discarded piece	proper recording ,used for future reference	All of above	D	E
40	MIN/N0467	PC 9	Why house keeping is appriciable	To create working enviornment	for looking good	To avoid mis happening	All of above	D	E
41	MIN/N0467	PC 10	Why equipment & work place area required to be cleaned regularly.	If grease,dirt cleaned regularly slipping possibilities minimise	To increase life of equipment	for looking good	All of above	A	E
42	MIN/N0901	PC1	The Welding equipment should be installed in area free from	Oil grease etc.	elect.cables, wiresetc.	west inflamable material.	All of the above	D	E
43	MIN/N0901	PC1	The work may be carried out at safer distance from	Oil grease storage area.	inflamable material.	as per mentioned guidelines of DGMS	All of the above	D	E
44	MIN/N0901	PC 1	What is the use of Safety goggles during welding.	For safety of hands	for safety of legs	for safety of eyes	All of the above	C	E
45	MIN/N0901	PC 1	How protection from fire takes place in welding area	by spreeding gravels on the ground.	by providing sand on the ground.	by cementing the floor.	All of the above	A	M
46	MIN/N0901	PC 2	Why material handling may be carried out as per standard procedure.	Because this Procedure is prepared with practical need and by expert hands after reaserch.	To maintenain clean work area.	A & B Both are correct	none of above	A	E
47	MIN/N0901	PC 2	Why adopting of standard procedure is always better in repair &	Because these were framed after deep R & D and as per requirement of system	No need to adopting procedure	we may work as per need of time & guidelines of supervisor	None of above	A	M

			maintennce of welding equipment?						
48	MIN/N0901	PC2	In case of sudden accident in a mine work area what should be done	Accident information should be given to high officials	All the workers should be immediatly taken away from the work place	You should immediatly call the emergency number given by supervisor	All of the above	D	M
49	MIN/N0901	PC2	In case of sudden accident in awelding shop what should be done	Accident information should be given to high officials	All the workers should be immediatly taken away from the work place	Immidiately cut off the supply	All of the above	D	M
50	MIN/N0901	PC3	For fire occoured in supply cables of Welding machine, we may use	Special extinguishing agent be required like carbon tetra chloride	Dry chemical powder type may be used	Water jet /Spray type	All of the above	A	M
51	MIN/N0901	PC3	why is it necessary to follow safe and recomoned procedureduring welding work.	To avoid accident	Increase output and productivity	Non of above	All of the above	D	E
52	MIN/N0901	PC4	If fire occurred in solid scrap store room welding shop , which class of fire it may be	Class A	Class B	Class C	Class D	A	M
53	MIN/N0901	PC 4	If fire takes place during welding what is to be done ?	All the workers should be immediatly taken away from that work place	Try to control fire by fire extinguisher	Fire information should be given to high officials	All of the above	D	M
54	MIN/N0901	PC 4	If fire takes place due to short circuit what is to be done ?	Cut off supply immidiately	Try to control fire by fire extinguisher	Fire information should be given to high officials	All of the above	D	E
55	MIN/N0901	PC5	Which type of fire extinguishers may be used	CO2 cartridge type fire extinguisher may be used	Dry chemical powder type may be used	Water jet may be used to control the fire	All of the above	A	E

			to control class 'A' type of fire						
56	MIN/N0901	PC5	The fire extinguishers used in case of fires involving oils.	Foam type	Dry chemical powder type	Co2	All of the above	D	M
57	MIN/N0901	PC5	CO2 type fire extinguisher may be used in which type of fire	Flamable liquid and	Fire caused by Electrical equipment, where elect. Current may be present.	Both A and B are correct	All of the above	C	E
58	MIN/N0901	PC 6	What care should be taken,while working on any equipment,	Stop equipment and start working.	Disconnect Supply first than start working.	instruct Helper to complete the job.	All of the above	B	E
59	MIN/N0901	PC6	why is it necessary to follow safe and recomended procedure for operation of machine.	to Minimize breakdown	Increase output and productivity	Avoid accidents	All of the above	D	E
60	MIN/N0901	PC7	The storage of hazardous material may be carried out	Alongwith the other materials on the shop floor	May be stacked in the store along with other material	stored separately as per guidelines prescribed by DGMS	All of the above	C	M
61	MIN/N0901	PC 7	Pour point indicates	Melting property	Flowing property	Freezing property	Rate of evoparation	B	M
62	MIN/N0901	PC8	If misfire obeserved on the worksite during the excavation,what is to be done	Stopped working and fence the exposed misfire area	Working machine may be taken upto the safe zone	Inform supervisor/competant person and put red flag at that point	All of the above	D	M
63	MIN/N0901	PC 9	In post blast which fume is generally cosider more Toxic	Nitrogen Oxide	Carbon mono Oxide	both are equively toxic	non of above	A	H
64	MIN/N0901	PC 9	Post blast fumes are mainly contains	NO	CO	Both NO and CO	Non of above	C	H

65	MIN/N0901	PC10	Name personal safety equipment to safe guard Head.	Goggles	Helmat	respirator	Non of above	B	E
66	MIN/N0901	PC10	Name personal safety equipment to safe guard welder's eyes and face face while doing welding work ?	Welding shield	Helmat	respirator	All of the above	A	E
67	MIN/N0901	PC3	If fire occurred in store room in wooden sleeper stacks, which class of fire it may be	Class A	Class B	Class C	Class D	D	M
68	MIN/N0901	PC3	For fire in electrical system, circuits,cables etc, we may use	Special extinguishing agent be required like carbon tetra chloride	Dry chemical powder type may be used	Water jet /Spray type	All of the above	A	M
69	MIN/N0901	PC4	The fire extinguishers used in case of fires involving gases	Foam type	Dry chemical powder type	in case of such fire, water is generally used to cool the gas containers or liquified gases	All of the above	D	M
70	MIN/N0901	PC4	CO2 type fire extinguisher may be used in which type of fire	Class A	Class B	Class C	All of the above	A	E
71	MIN/N0901	PC8	What is the use of respirator in mining sector for individual	Respirator filters the intake air in dusty environment.	Safeguard the nose	Safety of mouth	All of the above	A	E