

Job Role: MECHANIC FITTER (MIN/Q 0304)									
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/N0309	PC1	What should you checked in selection of wire rop	Rotating Quality	High Temprature	Watery Place	All of these	D	MEDIUM
2	MIN/N0310	KB8	How many types of hydraulic pump in (H E M M) Machine	Gear Pump	Piston Pump	Rotary Pump	All of these	D	MEDIUM
3	MIN/N0310	KB6	Which of the following compressors uses in Mining Machineries	Receprocating	Screw	Both of these	None of these	C	MEDIUM
4	MIN/N0309	KB14	How to check the bearings in mining equipment	Open the cover and check	Remove out from the shaft and check	And using conditioning monitoring	None of these	C	MEDIUM
5	MIN/N0310	PC1	What is use of dial gage	Alignment the machine	Roughness of machine	Smothness of machine	None of these	A	MEDIUM
6	MIN/N0310	KB3	Which of the following fastner use in belt conveyer	Rivets Fastner	Screw Fastner	Anchor Fastner	All of these	D	Easy
7	MIN/N0310	KB5	Unite of pressure is	Kg/Cm2	psi	Both of these	None of these	C	Easy
8	MIN/N0204	KA9	Who made the code of signals for mines	DGMS	Mine manager	Foreman	DBMS	A	MEDIUM
9	MIN/N0310	PC1	Which of the following rope is not exist.	Winding Rope	Guide Rope	Dipper dhoval Rope	None of these	C	MEDIUM
10	MIN/N0309	PC3	What is Ratio of Bolt size and head if bolt size is D	1.5 D	2.5 D	2 D	None of these	A	MEDIUM
11	MIN/N0309	PC4	Which of the following tools use to tighten the bolt in automobile	Torque wrinch	Screw gauge	Filler gauge	All of these	A	Easy
12	MIN/N0309	PC5	In LHD what should you check before starting machine	Engine oil	Drive shaft bolt	load unload valve	All of these	D	Easy
13	MIN/N0309		Who will decide maintanance schedule	Fitter	Operator	Forman	Manufacturer	D	MEDIUM
14	MIN/N0309	PC7	What is procedure of greasing in machine	To grease on grease point	To Remove parts and grease	None of these	All of these	A	Easy
15	MIN/N0309	PC8	What type of bearing uses in gear box.	Ball bearing	Roller bearing	Taper roller bearing	All of these	D	MEDIUM

16	MIN/N0310	PC9	To adjust the hydraulic oil pressure which of the following device is uses	Unloading Valve	Niddle Valve	Presure reducing valve	All of these	D	Easy
17	MIN/N0309	PC11	Preventive maintainance is necessary to	Reduce break down	Reduce running hour	Reduce production	None of these	A	MEDIUM
18	MIN/N0309	PC12	Logbook is uses to record all activity of	Machine	Operator	Fitter	Both B & C	A	Easy
19	MIN/N0309	KA1	Who will decide the daily maintainance checklist of machine	Manufacturer	Fitter	Operator	Foreman	A	Easy
20	MIN/N0309	KA17	Who will made the code of signals for winder	DGMS	Mine manager	Safety committee	None of these	A	MEDIUM
21	MIN/N0309	KA17	Who will decide the vehicle speed in mine area	Mine manager	DGMS	Safety committee	None of these	A	MEDIUM
22	MIN/N0310	KB2	Which of the following spaner is use to open the nut-bolt	Ring spanner	Fix spanner	Box spanner	All of these	D	Easy
23	MIN/N0310	KB4	Oil seal is use for	Prevent oil leakages	supply oil	lubricate shaft	lubricate gears	A	Easy
24	MIN/N0309	KB3	Which of the following lubrecants use in gear box	Grease	Gear oil	Both of these	None of these	B	Easy
25	MIN/N0309	KB3	Which of the following lubrecants use in wire rope	Grease	Oil	Cardmium compound	None of these	C	MEDIUM
26	MIN/N0310	KB4	How many type of coupling use in mine machine	Flange coupling	Love Joy coupling	Fluide coupling	All of these	D	MEDIUM
27	MIN/N0309	PC1	Which of the following slings is the best choice for lifting very hot material?	Synthetic fibre rope	Chains	Wire rope	Synthetic web	B	Easy
28	MIN/N0204	KB2	Which of the following material a hand tool shouldn't be made of, if it is operated near a flammable substance?	Brass	Aluminum	Iron	Plastic	D	Easy
29	MIN/N0204	KA12	While operating a machinery, you should be aware that a machine on flat ground will have..... Lift capabilities than a machine positioned on a slope.	Lower	Higher	Same	Fractionally lower	B	MEDIUM
30	MIN/N0309	PC7	While repairing a braking system, why silencing shims are fitted with the brake pads. What is the purpose of these shims?	Dampen the vibration	Provide assistive braking	Smooth the bracking friction	Increase the engagement of clutch	C	MEDIUM

31	MIN/N0310	PC10	During the contact inspection of a motor, which of the following does not indicate overheating and pitting of the contacts?	Discoloration of metal	Charred insulation	Odour	Adequate contact pressure	D	Hard
32	MIN/N0309	PC8	Which of the following is not a cause of lubricant failure?	Excessive tempratures	Contamination	Deteoriation of lubrication	Pitting of outer shim		MEDIUM
33	MIN/N0309	KB5	While installing a bearing, the shaft shoulders and spacer rings cntacting the bearing should be With the shaft axis.	square	Inclined	at 1 inch gap	at right angles	A	Hard
34	MIN/N0310	PC9	Which of the following hydraulic valve is used as a pressure control valve?	Switching task valve	Throttle valve	Check valve	Directional poppet valve	A	Hard
35	MIN/N0310	KB11	While repairing the braking circuit, we want to measure the thickness of the wires if the diameters of wires is as low as 0.01 mm then what type of measuring instrument should we use	Verniers callipers	Micrometer	Screw gauge	Height gauge	B	MEDIUM
36	MIN/N0310	KB11	If the filler gauge indicates an increase in air gap between the rotor and stator of the motor while maintenance, what does it indicates	Bearing wear	Bearing failure	Faulty motor output	Short circuit of motor	B	MEDIUM
37	MIN/N0310	PC9	During diagnosis of a hydraulic pump, what is the root cause of cavitation problems leading to abnormal noise?	Excess demand of fluid volume	Lesser demand of fluid volume	Vaccum in hydraulic circuit	Improper casing of hydraulic pump	A	MEDIUM
38	MIN/N0310	KB6	During the testing of the engine you observes that there is an abnormal noise coming out of the filter casing. What should you deal with the situation?	Immediately Turn the engine off and start overhauling	Let the engine run and start inspecting the filter system	Turn the engine off and wait it to cool before starting any repair	Let the engine run till it exhausts off the fuel	C	Easy
39	MIN/N0310	KB11	If you find that the gear tooth of a pinion gear is worn off completely. How should you insure no problems while the gear system operates?	Replace the pinion gear	Deform the pinion gear to adjust	Leave the pinion gear to work in the original condition	Lubricate the pinion gear	A	Hard

40	MIN/N0204	PC7	While operating a power drill, what is the correct amount of feed to be given as the drill breaks through the work to avoid damaged tools or workplaces?	Eased up feed	Variable feed	Hard Feed	Constant feed	A	MEDIUM
41	MIN/N0204	KA15	While following mining operation procedures, which of the following is not a part of the typical truck-shovel system model for material handling?	Loading	Hauling	Returning	Crushing	C	Easy
42	MIN/N0204	KB8	While working on a cutting machine, Which of the following equipment may be used for proper breathing if there is lot of dust formation during the cutting operation	Respiratory mask	Helmet	Gloves	Safety belt	A	Easy
43	MIN/N0204	KB3	If you are planning a fire drill to make workers aware about fire emergency, what necessary step should you keep in mind?	Notify everone in advance	Stop the alarm system	Obstruct the evacuation routes	Surprise workers about the drill	D	MEDIUM
44	MIN/N0204	KA7	Which of the following grade of fire extinguishes should be used if there is a fire in an electrical apparatus?	Class A	Class B	Class C	Class D	B	MEDIUM
45	MIN/N0204	KB11	Which of the following classes of hard hats can provide protection from high-voltage shock and burn?	Class A	Class B	Class E	Class D		MEDIUM
46	MIN/N0309	KB11	Which of the following shows annealing process?	Process to hard the material	Process to soft the material	Both of these	None of these	B	Hard
47	MIN/N0310	KB12	Which of the following shows welding process?	Proces to join the material	Process to dismental the material	Both of these	None of these	A	MEDIUM
48	MIN/N0310	KB7	What is use of torque converter	Increase the torque while reducing the speed	Decrease the torque while increase the speed	Both of these	None of these	A	Hard
49	MIN/N0310	KB5	Where the torque converter generally use in mine machinery	Diesel Engine	Steam engine	Winding engine	None of these	A	Easy
50	MIN/N0310	KB5	In vertical load which of the following bearing use	Ball bearing	Roller bearing	Thrust bearing	Tapper roller bearing	C	Hard

51	MIN/N0310	KB4	Which of the following wrinch is uses to tighten the nut-bolt	Slide wrinch	Pipe wrinch	Torque wrinch	None of these	A	Easy
52	MIN/N0309	KB2	Which of the following Compressor types are use in Rottary compressor	Vane type	Screw type	Centrifugal or Turbo	All of these	D	MEDIUM
53	MIN/N0309	KB7	Reservior of compressor is tested by	Hydraulic testing pump	Physical testing pump	Neumetic testing pump	All of these	A	Easy
54	MIN/N0204	PC1	King detaching safety hook is use in machine	Gear box	Winder	LHD	Dumper	B	Hard
55	MIN/N0204	KB10	Safety catches use in	Motor	Winder	Welding machine	None of these	B	Hard
56	MIN/N0310	KB8	In sproket pitch is shown as	Distance between 2 teeth	Distance of diameter	Number of teeth in sproket	All of these	A	MEDIUM
57	MIN/N0310	KB5	Which of the following types of gear uses in heavy duty gear box in belt converter	Helical Gear	Spur Gear	Bevel Gear	None of these	A	Hard
58	MIN/N0310	KB7	Which of the following types of gear use in diffrential	Helical Gear	Spur Gear	Bevel Gear	None of these	C	Hard
59	MIN/N0310	KB2	Which of the following tolls is use to check the backlesh in gear box	Filler gauge	Dial gauge	Screw Gauge	All of these	A	Hard
60	MIN/N0310	KB2	Which of the following thread uses in screw jack	V thread	Square Tread	Acme Thread	All of these	B	MEDIUM
61	MIN/N0310	KB2	Which of the following measuring toll is uses to tappet setting valve in machine	Dial Gauge	Filler Gauge	Screw Gauge	All of these	B	MEDIUM
62	MIN/N0309	KA7	In 4 Stroke engine TDC stands for	Typical Dead centre	Top Dead Centre	Tie Dead Centre	None of these	B	MEDIUM
63	MIN/N0309	PC7	Which of the following oil is use in differential	SAE 90	SAE 30	SAE 60	SAE 120	A	MEDIUM
64	MIN/N0309	PC3	Air filter should clean in an interval of	8 hour	11 hour	22 hour	24	B	MEDIUM
65	MIN/N0309	KB5	How to tension the belt in belt conveyor	By take up pully	By bend pully	By snub pully	By tail pully	A	MEDIUM
66	MIN/N0310	PC7	If Hydraulic system was hot what should you check	Hydraulic pump	Load unload valve	Brake peddal valve	All of these	D	Easy
67	MIN/N0309	KB5	Which of the following is not use in Belt conveyor group	Winch take up	Gravity take up	Screw take up	Screw jack	D	MEDIUM
68	MIN/N0309	KB6	If excess vibration is coming out from the compressor what should you check	Alignment	Bearing	Crank shaft	All of these	D	MEDIUM

69	MIN/N0310	PC6	Which of the following is not in lifting group	Chain block	Ceiling	Winch	Slide wrinch	D	Easy
70	MIN/N0310	KB7	If engine is getting over heat what should you check	Fuel filter choke	Engine cooler choke	Timing is not proper	All of these	D	Easy
71	MIN/N0310	KB6	Crank shaft is use to	convert reciprocating motion into rotary motion	convert rotary motion to reciprocating motion	Both of these	None of these	A	Hard
72	MIN/N0310	KB8	Cam shaft is use to	convert rotary motion to reciprocating motion	convert reciprocating motion into rotary motion	Both of these	None of these	A	Hard
73	MIN/N0204	PC8	Which fire extinguisher is most suitable for electrical fire.	CO2	CH4	CO	None of these	A	MEDIUM
74	MIN/N0204	PC9	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
75	MIN/N0204	KB11	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	A	MEDIUM
76	MIN/N0204	KA6	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
77	MIN/N0204	KA7	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
78	MIN/N0204	KA15	To reduce site accident , who should participate and be responsible for safety at work?	Employer	Employee	Employer & Employee	Safety department	D	MEDIUM
79	MIN/N0204	KA7	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
80	MIN/N0204	KA9	First aid training should be given to:	Only Security Guard	Only staff members	All employees of the industry	None of these	C	Easy
81	MIN/N0204	KA6	What are the main personal protective equipment used while drilling in mines?	Helmet	Goggles	Both of these	None of these	C	Easy

82	MIN/N0204	KA11	Fencing is done in prohibited area 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
83	MIN/N0204	KA3	How can operator control the safe distance between drilling arm and drilling place?	Stretch the drilling arm to maximum length.	Do not stretch drilling arm maximum height of drilling place	Depends on the length of drilling lever	Depends on the power of drilling machine	B	MEDIUM
84	MIN/N0204	PC6	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
85	MIN/N0204	PC4	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
86	MIN/N0204	PC3	Which of the following is not a safety guard or protective device:	Safety Glasses	Work Gloves	wrist watch	footwear	C	Easy
87	MIN/N0204	KA6	DGMS shows	Ministry of Mines	Ministry of Labour	Ministry of Minerals	Ministry of coals	A	MEDIUM
88	MIN/N0204	KB10	What is the normal sound level?	80 db	90 db	180 db	60 db	D	MEDIUM
89	MIN/N0204	KB13	SOP stands for	SAFE OPERATING PRACTICE	SAFE OPERATING PROCEDURE	STANDARD OPERATING PRACTICE	STANDARD OPERATING PROCEDURE	B	Easy
90	MIN/N0204	KA6	For explosion what Danger zone specified by DGMS?	300 Metre	500 Metre	700 Metre	900 Metre	A	Hard
91	MIN/N0204	KA10	Why it is necessary to discuss the accident report	To gain knowledge	To prevent the future accident report	Fear for the accident	All of these	B	MEDIUM
92	MIN/N0204	PC1	PPE stands for	Personal Protective Enquiry	Personal Protective Equipment	Personal Preparatory Equipment	Personal Prepration Equipment	B	MEDIUM
93	MIN/N0204	PC6	To whom you report an incident happens while at work	Your Supervisor	The Director	First Aider	Reception	A	Easy
94	MIN/N0204	KA4	As per the mines act 1952, if person work spread for 12 hr in a single day then no person shall work more than..... Hr continously before he has had an interwal for rest at least half an hour.	4	5	3.5	4.5	B	Hard

95	MIN/N0204	KA2	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	MEDIUM
96	MIN/N0204	PC8	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
97	MIN/N0204	KA9	Which gas is primarily responsible for green house effect i.e global warming?	Hydrogen Dioxide	Carbon Dioxide	CFC	Sulphur Dioxide	B	MEDIUM
98	MIN/N0204	PC7	Which is not a nuxious gas produced from minefire and explosions.	CO2	CO	SO2	O2	D	MEDIUM
99	MIN/N0204	KA8	Which is not an essestial feature of flame safety lamp?	Maximum illumination power	Safety in strong currents	Ability to relight the flame,when extinguished without unlocking the lamp.	None of these	D	MEDIUM
100	MIN/N0204	PC5	Which is not true statement according to safe work practices to prevent injury and accidents	Using the prescribed personal protective equipment	Using safe manual-handling techniques	Using knives and equipment safely	Handling cool surfaces safely	D	MEDIUM