Job role: HEMM Mechanic
Code: MIN/Q0413

Sr.No	NOS code	PC code	Question	Option A	Option B	Option C	Option D	Answer	Level-E/M/H
	MIN/N0491								
		PC-1							
1			WHEN THE FIRST SCHEDUEL MAINTANANCE OF MINING M/C CARRIED OUT	IN ONE WEEK	WHEN M/C B/D	IN FIRST 50 HRS	AFTER LEAK FOUND	C	M
2			WHAT IS THE EFFECT OF ERROSION/CORROSION ON MACHINE	M/C WILL NOT RUN	CAUSE FAILURE OF PART AND CONTAMINATIONS	CORROSION LEDS LEAKAGE	LEADS WEAR	B	M
3			HOW TO IDENTIFY DAMAGE	BY PRE AND POST SHIFT CHECKING	BY TAKING FOR MAINTANANCE	BY RUNNING M/C	BY WASHING	A	E
4			WHAT IS MEAN BY SPECIFICATIONS OF MACHINE	M/C NAME	M/C SIZE	DATAILS OF M/C	OPERATING PROCEDURE	C	E
5			HYDRAULIC OIL LEVEL OF M/C MUST BE	AT BOTTOM OF GAUGE	ABOVE HALF	AT FULL ALWAYS	AT HALF ALWAYS	B	E
		PC-2							
6			WHAT IS OPERATOR CHECK LIST	IT CONTAIN OPERATOR NAME	IT CONTAIN M/C NAME	ITS M/C DETAILED CHECK POINT LIST	CONTAIN WORK DETAILED	C	M
7			HOW FITTER HAVE TO REACT ON OPERATORS COMPLAINT WHILE OPERATION	LET RUN THE M/C	ATTAIND AFTER SHIFT ED	TAKE DIRECTLY FOR MAINTANANCE	STOP THE M/C AND ATTAIND THE PROBLEM	D	M
		PC-3							
8			WHICH BREAK SYSYTEM USED FOR MINING VEHICLES	SPRING APPLIED HYDRAULIC BREAK SYSTEM	PULL ROPE SYSTEM	PNEUMATIC BREAK SYSTEM	DISC BREAK SYSTEM	A	H
9			WHAT IS ARTICULATION	REAR SECTION OF M/C	MIDDLE SECTION WHERE TURNING DONE	FRONT SECTION	CANOPY OF M/C	B	M

10			WHAT IS MEAN BY SOP OF MACHINERY	SAFETY OPERATIONAL PROCESS	SELECTIVE OPERATIONAL PROCEDURE	SAFETY OPERATING PROCESS	STANDERD OPERATING PROCEDURE	D	H
		PC-4							
11			HOW TO CHECK TRANSMISSION OIL LEVEL	WHEN M/C IS OFF	WHILE M/C RUNNING	AFTER 2-3 MIN OF IDLE START	AFTER RUNNING FOR 1 HOUR	C	H
12			SOP OF ENGINE OFF	DIRECTLY OFF THE ENGINE	IDLE M/C FOR 5-7 MIN THEN SHUT DOWN THE ENGINE	NO ANY SOP	AFTER ENGAGING THE GEAR	B	M
		PC-5							
13			WHAT IS FAULT CODES HOW TO IDENTIFY THEM	ITS IS AUTOMATIC CODE	CODE CONTAINING INFORMATION ABOUT FAULT	IT IS USED TO FIND M/C DETAILS	USED FOR MAINTANANCE	B	H
14			WHAT IS ECU OF MACHINE	ENGINE CONTROL UNIT	ELECTRONIC CONTROL UNIT	CMERGRNCY CODE UNIT	ELECTRICAL CONTROL UBIT	A	H
15			WHAT IS ECM	ENGINE CONSTRUCTION METHOD	ENGINE COOLANT MEASURMENT	ENGINE CONTROL MODUEL	ELECTRIC CONTROL METHOD	C	H
16			WHAT IS MODULE	MACHINE LEARNING ALGORITHM, FUNCTIONOR CODE	MACHINE MAINTANANCE PLAN	ELECTRICAL MAINTANANCE PLAN	RELATED TO BATTERIES	A	H
		PC-6							
17			WHAT IS THE EFFECT OF CLEARANCE IN BUSH	LEDS TO B/D	LEADS TO PLAY	LEDS TO DAMAGE THE M/C	LEADS TO VAIBRATION	B	M
18			HOW TO CHECK ALINGNMENT OF DRIVELINE	BY USING SPEEDOMETER	BY USING DIAL GAUGE INDICATOR	BY USING SPEEDO METER	BY TIGHTNING DRIVE SHAFT BOLT	B	M
19			HOW TO SET PRESSURE OF PRESSURE RELIEF VALVE	BY INCREASING PRESSURE IN SYSTEM	BY REDUCING PRESSURE IN SYSTEM	BY ADJUSTING THE ALLEN	BY REPLACING RELIEF VALVE	C	H

						BOLT ON RELIEF VALVE			
20			WHY OCCSILATION AXLE PROVIDED ON ENGINE SIDE OF MINING M/C	BECAUSE IT REQUIRED IN ONE SIDE	TO SMOOTH RUNNING OF M/C	FOR STATBLE POSITION OF ENGINE	FOR SHOCK PROOF OPERATION	C	H
21			WHY BEACON LIGHT USED FOR	FOR GIVING PASS, AND WARNING	FOR REVERSE POSITION	FOR FORWARD POSITION ONLY	FOR IDLE POSITION	A	M
22			WHICH GAS IS GOOD FOR TYRES	OXIGEN	NITROGEN	HYDROGEN	HELIUN	B	M
23			HOW BREAK TEST CARRIED OUT	AT IDLE CONDITION	AT STOP CONDITION	AT RUNNING CONDITION OF FLAT SURFACE	AT 2ND GEAR OF INCLIND S/F	D	M
24			PREFFER PRESSURE RELIEF VALVE FOR PRESSURE RANGE 200 BAR	180 BAR	200 BAR	220 BAR	160 BAR	C	H
25			MAXIMUM SPEED LIMIT FOR MINING VEHICLE	30-35	20-25	10	15	A	E
26			MAJOR REASON FOR SMOKE IN M/C	HIGH LEVEL OF ENGINE OIL	LOW LEVEL OF ENGINE OIL	FAILURE OF TURBO CHARGER	FAILURE OF ENGINE	C	H
27			WHEN TO USE PARKING LIGHT	WHILE RUNNING	WHILE WORKING	WHILE M/C PARKED	WHILE SHIFTING	C	E
		PC-7							
28			WHAT IS SCHEADUEL MAINTANANCE	PLANNED MAINTANANCE	DAILY MAINTANANCE	ROUTINE MAINTANANCE	B/D MAINTANANCE	A	M
29			WHY COOLANT USED IN ENGINE	USED TO RU ENGINE	FOR SMOOTH OPERATION	USED TO COOL THE ENGINE	INCREASE THE LIFE OF ENGINE	C	E
30			HOW FILTERS ARE CLASSIFIED	BY OUTER SIZE OF FILTER	BY THE CONTAMINATION TRAPPING SIZE	BY THE TEMPRATURE	BY THE PRESSURE	B	H

31			WHY V BELT PREFFER ON ENGINE PULLEY	LONGER LIFE	TO AVOIDE SLIPPING	CHEAPER	TO INCREASE TRANSMISSION CAPACITY	B	M
		PC-8							
32			HOW TO IDENTIFY PISTON ROD DAMAGE	SCRATCHES ON ROD	OIL LEAKAGE	OIL SEAL BROKEN	LESS POWER OUTPUT	A	M
		PC-9							
33			WIDELY USED ENGINE OIL	SAE30SX	S2G90	S2V68	15W40	D	M
34			WIDELY USED TRANSMISSION OIL	S2G90	S2V68	SAE30SX	15W40	C	M
35			WIDELY USED GEAR OIL	S2G90	S2V68	SAE30SX	15W40	A	M
36			WIDELY USED HYDRAULIC OIL	S2G90	S2V68	SAE30SX	15W40	B	M
37			FUEL WE USED FOR MINING VEHICLES	DIESEL	CNG	PETROL	CAROSINE	A	E
38			PROCEDURE TO CHECK ENGINE OIL LEVEL	AFTER SARTING FOR 5 MINUTS	AFTER STARTING FOR 10 MINUTS	WHEN ENGINE AT STOP CONDITION	WHEN MACHINE RUNNING	C	M
39			WHAT IS TORQUE RANGE	TIGHTNING TOOL	LOOSEING TOOL	TOOL TO GIVE TORQUE AS PER SETTING	TO EXTRA TIGHTNING WORK	C	M
40			HOW TO IDENTIFY NUT BOLT SIZE	BY GRADE AND SPECIFICATIONS	BY VISUAL	BY EXPERIANANCE	BY USING SPANNER	A	M
41			WHAT IS BLIND HOLE	HOLE WITH 1CM DEPTH	HOLE WITH SPECIFIED DEPTH WITHOUT BREAKING OTHER SIDE	HOLE WITH INTERNAL GROOVES	HOLE WITH BLIND EDGE	B	H
42			WHAT IS MEAN BY ASSEMBLY	SEPARATING PARTS	ASSEMBLING PARTS	NUT BOLT LOOSNING	NUT BOLT TIGHTNING	B	M
43			WHAT IS MEAN BY DISMENTALLING	SEPARATING PARTS	ASSEMBLING PARTS	NUT BOLT LOOSNING	NUT BOLT TIGHTNING	A	M

		PC-10							
		PC-11							
44			WHY DIRECTIONAL CONTROL VALVE MALUFUNCTION	IMPROPER ELECTRICAL CONNECTION	DUE TO OVERHEATING OF HYDRAULIC OIL	DUE TO OVERCOOLING OF OIL	DUE TO IMPROPER MAINTANANCE	B	H
44			WHY PRESSURE GAUGE MALFUNCTIONING	DUE TO NO FLOW	HIGH FLUID FLOW	LOW FLUIDE FLOW	PARTICALS STRUCT OR LOOSE CONNECTIONS	D	M
45			WHEN TO CHECK WEATHER ALL LIGHTS WORKING OR NOT	WHEN M/C IS STARTED	WHEN M/C IS AT STOP	WHEN IGNITION CONNECTION IS ON	WHEN IGNITION KEY IS OFF	A	E
	MIN/N0492								
		PC-1							
46			WHAT IS THE REGULAR INTERVAL OF ENGINE OIL CHANGE	AFTER EVERY 100 HOURS	AFTER EVERY 150 HOURS	AFTER EVERY 250 HOURS	AFTER EVERY 200 HOURS	C	M
47			WHAT IS THE REGULAR INTERVAL OF TRANSMISSION OIL CHANGE	100 HOURS	250 HOURS	500 HOURS	1000 HOURS	C	M
48			WHAT IS THE REGULAR INTERVAL OF GEAR OIL CHANGE	1000 HOURS	250 HOURS	2000 HOURS	500 HOURS	D	M
49			WHAT IS THE REGULAR INTERVAL OF HYDRAULIC OIL CHANGE	2000 HOURS	1000 HOURS	250 HOURS	500 HOURS	A	M
50			HOW TO CHECK AXLE OIL	ON INCLINATION OF 9 DEGREE	ON FLAT S/F	ON INCLINATION OF 5 DEGREE	ON INCLINATION OF 4 DEGREE	B	M
51			WHICH IS RECOMENDATE PROCEDURE TO CHECK INTERNAL WEAR IN THE AXLE	BY DISSMENTALING THE AXLE	BY OIL TOP UP	BY CHECKING MAGNETIC DUMMY GIVEN ON THE AXLE	BY OBSERVING SOUND	C	M

52			HOW TO CHECK HEALTHY FIRE EXTENGWISHER	NIDDLE OF GAUGE AT GREEN AREA	BY CHECKING OUTER BODY	NIDDLE AT RED AREA	NIDDLE AT WHITE AREA	A	E
		PC-2							
53			REASON FOR TYRE BRUSTING	DUE TO LESS LOADING DAILY	WATER ON RAMP	LOW AIR PRESSURE	OVER LOADING	D	M
54			MAJOR REASON FOR ENGINE SEIZE	FAILURE OF CAMSHAFT AND PISTON FAILURE	LOW ENGINE OIL	HIGH ENGINE OIL	AIR FILTER CHOCE	A	M
55			IMPORTANCE OF HOSE WRAPPING	COLLECTING HOSE AS BUNCH	TO PTOTECT HOSES FROM DAMAGING	REGULATE HYD FLOW	MINIMIZE HOSE LENGTH	B	M
56			HOW TO DESIGNATE HOSE SIZE	SIZE=INCH LENGTH=MM	SIZE=MM LENGTH=INCH	SIZE=CM LENGTH=MM	SIZE=INCH LENGTH=FEET	A	M
		PC-3							
57			WHAT IS INVENTORY	EXCESSIVE ITEM STOCK	NO SPARE	NUMBER OF ITEM	STOCK OF ITEM/SPARE	D	H
58			SPANNER SIZE OF M-10 NUT/BOLT	10--11	12 _13	16_17	18-19	C	H
59			WHY LOCK NUTS USED	FOR PROPER HOLDING THE PART	WHERE THE POSSIBLITY OF LOOSEN THE NUT AUTOMATICALLY	POSSIBLITY OF NUT BROKEN	POSSIBILITY OF BOLT BROKEN	B	E
60			RECOMENDATE PRESSSURE TO CLEAN AIR FILTER	LESS THAN 1 BAR	2-2.5 BAR	3-4 BAR	4-5 BAR	B	H
		PC-4							
61			WHAT IS TRANSDUSER	TO CALIBRATE PRESSURE/ TEMPRATURE INTO VALUE	TO IMPROVE PRESSURE	TO IMPROVE TEMPRATURE	TO MEASURE CONTAMINATIONS	A	H
62			MAXIMUM SKEED DISTANCE IN CASE OF BREAK TEST	500-750 MM	750-1250 MM	1500-2000 MM	2000-3000 MM	C	H

63			CAN WE CONTROL FUE SUPPLY OF MFID(AUTO)	YES	NO	CANT SAY	CAN CONTROL BUT UPTO CERTAIN LIMIT	A	H
64			GAS USED IN AUTO FIRE EXTINGHWISHER SYSTEM TO BOST	OXYGEN	NITROGEN	CNG	DA	B	H
65			A TYPE FIRE EXTINGWISHER USED FOR	SOLID	LIQUIDS	ELECTRICAN COMPONENTS	CANT SAY	A	M
66			B TYPE FIRE EXTINGWISHER USED FOR	SOLID	LIQUIDS	ELECTRICAN COMPONENTS	CANT SAY	B	M
67			C TYPE FIRE EXTINGWISHER USED FOR	SOLID	LIQUIDS	ELECTRICAN COMPONENTS	CANT SAY	C	M
68			AB TYPE FIRE EXTINGWISHER USED FOR	SOLID LIQUIDS	SOLID GASES	LIQUIDS GAS	CANT SAY	A	M
69			WHY ACCUMULATOR USED FOR BREAK SYSTEM	NOT YSED IN SYSTEM	TO MAINTAIN PRESSURE ONLY	FOR SMOOTH FLOW OF HYDRAUILIC	FOR CONTINOUSE CHARGE OF BREAK	D	M
70			WHICH KIND OF SEAT BELT USED IN MINING	NORMAL BELT	RETRACTABLE SEAT BELT	SEAT BELT WITH SINGLE STRIP	NOT NECCESSORY	B	M
		PC-4							
71			IS REVERSE HORN IS SAFETY FEATURE COME WITH M/C	YES	NO	CANT SAY	NOT NECCESSORY	A	E
		PC-5							
72			GENRAL CHANGING SPAM OF LOADER AIR FILTER	100	200	250	300	B	E
73			HOW TO INSURE DRIVE SHAFT HEALTHY	CHECK EVERY WEEK	CHECK EVERY MONTH	REGULAR NUT BOLT TIGHTNING AND CHECKING	AFTER EVERY 200 HOURS	C	M
74			WHEN TO CHANGE DRIVE LINE	AFTER 250 HRS	AFTER 500 HRS	AFTER 1000 HRS	IF THERE IS ANY PLAY	D	M

75			HOW TO INSURE BELT TENSION OF ENGINE	BY CHECKING BELT	BY CHECKING BELT TENSIONER	BY CHECKING ENGINE SOUND	BY CHECKING BELT LIFE	B	M
76			BREAK TEST OF MINING MACHINERIES TO BE CARRIED OUT IN EVERY	SHIFT	DAY	WEEK	MONTH	A	E
		PC-6							
77			WHAT TO DO WITH USED LUBRICANTS	REUSED THEM	STORE AT WASTE OIL DRUM	MIXED WITH WATER	SPRADE IT IN UNDER GROUND	B	E
		PC-7							
78			CAN WATER USED AS A COLLANT	NO	YES	IF RECOMENDATE	CANT SAY	C	E