

Sr.No	NOS Code	PC Code	Questions	Option A	Option B	Option C	Option D	Answer	Level-E/M/H
1	MIN/N 0499	PC1	Roof support in U/G mines are necessary because.... of a	More than 30%	More than 40%	More than 50%	100%	C	M
2			Roof occurs in underground due to same of the following reasons...	Silt and clay in the bleeding plane during formation a coal	Moisture sensitivity of the weak shale roof, slips geological disturbance	Human failure for not following the approved support plan	all three are correct	D	E
3		PC2	In a manual opencast mine the sloping of side shall not exceed.... Degree from the horizontal	45 degree	60 degree	75 degree	90 degree	A	M
4			Before starting of a mechanised open cast mine..... Shall ensure that proper planning and design have been determined by scientific study	only owner of the mine	both owner and agent of the mine	all of three owner, agent and the manager of the mine	agent and manager of the mine	B	H
5		PC3	Size (width & height) of the bench will depend on.....	condition of strata	size of the machinery	both A &B	none of the above	C	M
6			Height of the benches in overburden consisting of alluvial soil, morum, gravel clay, debris or other similar ground shall not exceed ....in mechanised mine	4.5 mtr	5.2 mtr	2.5 mtr	3 mtr	D	M
7			Incase of coal and hard rock strata in mechanised mine the bench width & height shall not be less than	the width of the widest machine plying on the bench plus 2 mtr	it dumper ply on the bench, three times the width of the dump	the height of the of the bench	all three are correct	D	H
8			In underground depillaring district advance information of subsidence can be known by the.....	telescopic convergence recorded indicator	load cell	stress meter/ stress cell	any of these three or one of these three	D	M
9		PC4	Find the following: 1 convergence indicator(TCI) load cell 3 stress meter	2				1. load cell 2.convergence indicator(TCI) 3 stress meter	H

10		PC5	Before taking the instruments to U/G for monitoring U/G strata, check on workability of the equipment by.... Will be done	strata control manager/ strata monitoring operator	timberman	workers engaged for carrying the instrument	none of these	A	E
11	N0499	PC6	strata monitoring device/ instrument/ equipment will be installed by the....	strata control / strata monitoring operator	supervisor of the working district	any worker in underground	none of these	A	E
12			The assembled strata monitoring equipment will installed in U/G at proper place in the.....	designed structure	changed design structure	variable design structure	none of these	A	E
13	N0500	PC1	A check on working of strata monitoring equipment will be conduct on regular basis by....	helpers carrying the equipment	strata monitoring operator	Banksman	none of these	B	E
14			If inconsistency in the observations during check it will..	continue to work in the same condition	be rectified taking adequate measures	be installed and observed result	none of these	B	E
15		PC2	Equipment meter is read which are primarily....	hydraulic pressure or pneumatic pressure system		vibrating wive and selt inductance	all three or any of the three	D	H
16	N500	PC3	Variables are monitored by.... During monitoring of strata movement	movement (using surveying devices, crack gauges and tape extensometer or inclinometers	pressure, load and strain on ground support devices i.e. Blood cells, Seismic events and blast vibrations	rock stresses (absolute stress or stess changed from borehole devices)	All or any of the three	D	H
17		PC4	Frequency of the data measurement recorded on the basis of.....	meter readings	Eye observations	Personal Experience of the officials	None of these	A	M
18			Meter readings of data measurement reflects the.....	seventy of the strata load	strata movement	both A & B	None of the three	C	E
19			Frequency of the data measurement on the basis of meter readings... ..	don't need to monitor the strata	need to monitor the strata movement/ strata load	provides no future assessment	None of the 3(Three)	B	M

				movement/strata load					
20		PC5	Observed data of strata movement on the basis of meter readings shall...	be recorded in the record book	Sign the record book	A & B both	none of the 3(Three)	C	E
21	N0500	PC6	On the basis of recorded data analysis result will be reported to For further analysis	the supervisor of the district and superior official	the time keeper pf the mine	the worker at the district	the haulage operator of the mine	A	E
22		PC7	Further course of action will be decided on the basis of....	analysing all data from the strata monitoring meters	analysis of primary data from the strata monitoring meters	analysis of observations on the basis of experience	None of the 3(Three)	A	M
23			Supervisor will be provided..... For further course of action as per analysis of records	requisit support	no support	timber support	None of the 3(Three)	A	H
24	N0901	PC1	It is the responsibility of..... To formulate and implement "safety management plan"	owner of the mine	agent of the mine	manager of the mine	All 3(Three)	D	H
25			..... Persons in mines are sent for training as for V T rule	newly appointed	all for refresher training at regular interval as proscribed	who suffer from services locality injury	All 3(Three)	D	M
26		PC2	..... Are responsible to provide necessary aids for safety and health or recommended by safety committee	owner of the mine	agent of the mine	manager of the mine	all three	D	H
27			To avoid spontaneous heating fallen/spollen coal of old working not sealed off shall be.....	Cleaned up transported to surface	properly ventilated to avoid oxidation of coal	inspected at regular interval as specified and checked "CO" formed and "O2" absorbed ratio	all three	D	H
28		PC3	If any person see any injured person in mine.....	shift him to safe place	inform any official/ competent person for first aid	help him to go to first aid room to surface if told by official	all three	D	M
29			Flame safety shall be carried to U/G by....	an authorised person only	anyone going to U/G can carry FSL	A & B both	none of these	A	E

30			Persons feed flame safety lamp move reliable then digital gas detectors because.....	flame safety lamp detects gas on natural way	FSL maintenance is easy and don't give wrong result/reading	digital gas detector may give wrong reading in case of short circuit, not calibrated outime	all three	D	E
31			Same of the persons want to use digital gas detector as feel reliable....	because it is handy and gives signed before danger level of gas	because it gives move "accurate" reading	it caliberated on regular interval and charged regularly no change of any problem	all three	D	E
32		PC4	all electrical equipment's in u/g coal mines should be flame proof or intrinsically safe....	to avoid opersparte which is capable to ignitte gas-air mixture or create fire	because of provisions of coal mines regulations	A & B both are correct reasons	none of these	C	M
33		PC5	Will know about various grades of fire extinguishers and update the knowledge by....	training at training centre	mock reharsals in the supervision of trainer	refresher training at training centres	all three	D	M
34			Can soda acid type fire extinguisher be used for fighting electrical fire	yes	no	yes, if other type of fire extinguishers are not available at site	depending upon scale of fire	B	H
35		PC6	..... Persons can transmit signal to Winding engine operator	only banksman or authorised person in absence of banksman	trammers who are pushing and pulling of tabs	any person going U/G	none of these	A	E
36			Printed copy of coal of signals are kept and parted prominently.....	at the top of the shaft	at wiring engine room	both A & B	none of these	C	M
37			.....persons can transmit signals to haulage operator	persons(trans) responsible for coupling/ uncoupling and sending/ receiving of tabs/ mine car	track layer	timberman	any worker going u/g	A	M

38			Printed copy of coal of signals are kept and parted prominently.....	at haulage room	every coupling uncoupling point of full of mine cars	both A&B	none of these	C	E
39			Man shall be made in haulage road as far as practicable in one side a distance of not more than..... Distance	40 mtr	45 mtr	20 mtr	25 mtr	C	H
40		PC7	If banksman see any person carrying hazardous material to u/g he will	not allow him to enter into the cage if the person having no authorisation	report to the officer present nearby	A&B are correct action	nothing to do to a banksman	C	E
41			If anybody carrying contrabands e.g. Biri, cigarette, matches etc. to u/g banksman will....	not allow him to enter into the cage	report to the officer	A & B both are correct steps	allow him	C	E
42		PC8	Misfire of explosive mean.....	explosives fail to detonate as planned during blasting	a fire occurs due to explosive in reserve station	a fire occurs in the explosive while carrying	none of the these	A	E
43			Misfire of explosive are dealt with by.....	testing/ blasting individual holes one by one which were not blasted	drilling releasing holes parallel tp misfired hole by the same driller	priming, stemming & blasting of releasing holes by same shot firer	all three stats to be follow	D	H
44			Post blast fumes mean.....	fumes created during primary of explosives	fumes created during steaming of explosives in holes	fumes created after blasting of explosive	none of these	C	E
45			Reserve station in mine mean.....	where reserve/ spare persons wait or sit	where reserved equipment's are kept for emerging	where oil & grear are kept in reserve for future use	where explosives and detonators are kept for use in same shift	D	M
46		PC9	The use of hardhat/ helmet in mine is...	for dress code	for the safety of collegue	for safety of the person who use it	none of three	C	E
47			Name of the disease caused by inhalation of coal dust is.....	silicosis	fibrosis	pneumoconiosis	dysentery	C	H

48		PC10	It is necessary to wear safety gear such as helmet, shoes, required on the basis of type of job or for.....	safety of the person(himself) working in mine	to look like a mine employee or identification as mine employee	A & B both are true	non of three	A	E
49		PC11	Manufacturer's instructions should be followed in view of any equipment and machinery for.....	better housekeeping	better care and maintainance	increase the life of equipment and mechnery	all three purpose	D	M
50			After every installation or recapping of a winding rope and renewal or refitting of any suspension gear, loaded cage should be made.... Trips up and down the working portion of the shift	2	3	4	5	D	H