Question Paper Preview

Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Question Paper Name :	JR MET
Subject Name :	Jr. Mining Engineer Trainee JMET
Creation Date :	2024-08-02 17:58:30
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Jr. Mining Engineer Trainee JMET

Group Number :	1
Group Id :	63068022030
Group Maximum Duration :	0
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Show Attended Group? :	No
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Part 1 Subject Related to the post of Jr. Mining Engineer Trainee JMET

Section Id :	63068043728
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	96
Number of Questions to be attempted :	96
Section Marks :	96
Section Negative Marks :	0
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	63068058049
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 630680944050 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The chief inspector or inspector and the owner, agent or manager are unable to agree as to the terms of the bye-laws, the chief inspector or inspector shall refer the draft bye-laws to the _____ for settlement as per Mine Act 1952.

Options :

1. ✖ District magistrate
2. ✖ Central government
3. ✔ Committee
4. ✖ State government

Question Number : 2 Question Id : 630680944183 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

No person shall act as a Workmen's Inspector of a mine unless, he has at least _____ years of experience in mines including at least two years in workings of the mines for which he is nominated.

Options :

1. ✖ 3

2. ✖ 4
3. ✔ 5
4. ✖ 7

Question Number : 3 Question Id : 630680944482 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
No person shall be appointed as Superintendent unless he has _____ years practical experience of belowground work in mines as per Mines Rescue Rules 1985.
Options :
1. ✖ 3
2. ✔ 5
3. ✖ 7
4. ✖ 10

Question Number : 4 Question Id : 630680947132 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Suitable arrangements shall be made for persons to descend and ascend by such means of access and egress, where shaft is more than _____ metres in depth, such arrangements shall be by mechanical means so installed and maintained as to be constantly available for use as per CMR 2017.
Options :
1. ✖ 20
2. ✖ 25
3. ✔ 30
4. ✖ 50

Question Number : 5 Question Id : 630680947196 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
At every place in the mine where persons are required to work or pass, the air does not contain less than _____ of oxygen as per CMR 2017.
Options :
1. ✖ 16%
2. ✔ 19%
3. ✖ 20%
4. ✖ 21%

Question Number : 6 Question Id : 630680943976 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
As per Mines Act 1952, A committee should consist of how many qualified mining engineers who are not directly employed in the mining industry but are appointed by the central government?
Options :
1. ✔ 2
2. ✖ 1
3. ✖ 3
4. ✖ 4

Question Number : 7 Question Id : 630680944100 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following are true regarding the objections with reference to the draft bye-laws, made by or on behalf of persons affected as per Mine Act 1952?

A.	The specific grounds of objection
B.	The omission in bye-laws if any
C.	Additions or modifications asked for in bye-laws

Options :
1. ✖ Only A and B
2. ✔ A, B and C
3. ✖ Only B and C
4. ✖ Only A and C

Question Number : 8 Question Id : 630680944456 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
The first-aid room shall be in charge of a qualified medical practitioner, where the number of persons ordinarily employed in a mine is more than _____.
Options :
1. ✖ 500
2. ✖ 750

3. ✔ 1000
4. ✖ 1500

Question Number : 9 Question Id : 630680944461 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Every shelter shall have a floor area of NOT less than _____ square metres as per Mine Rule 1955.
Options :
1. ✖ 10
2. ✖ 12
3. ✔ 14
4. ✖ 16

Question Number : 10 Question Id : 630680944509 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
No person shall be selected for training in rescue work, unless he is between _____ and _____ years of age as per Mines Rescue Rules 1985.
Options :
1. ✖ 18; 25
2. ✖ 19; 26
3. ✖ 20; 28
4. ✔ 21; 30

Question Number : 11 Question Id : 630680944690 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
When the ownership of a mine is transferred, the previous owner or his agent shall make over to the new owner or his agent, within a period of _____ days of the transfer of ownership as per CMR 2017.
Options :
1. ✖ 15
2. ✖ 10
3. ✖ 8
4. ✔ 7

Question Number : 12 Question Id : 630680947066 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
No person shall act or be employed as a manager unless he has attained _____ years of age as per Coal Mine Regulation 2017.
Options :
1. ✖ 18
2. ✖ 20
3. ✔ 23
4. ✖ 25

Question Number : 13 Question Id : 630680947129 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
An underground plan showing every important surface feature within the boundaries, such as railway, road, river, stream, water-course, tank, reservoir, opencast working and building which is within _____ metres of any part of the workings measured on the horizontal plane as per CMR 2017.
Options :
1. ✖ 45
2. ✖ 100
3. ✖ 150
4. ✔ 200

Question Number : 14 Question Id : 630680947172 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
All parts of suspension gear in regular use shall unless otherwise permitted by the Chief Inspector, be renewed after a period of service of NOT more than _____ years as per CMR 2017.
Options :
1. ✔ 6
2. ✖ 7
3. ✖ 8
4. ✖ 9

Question Number : 15 Question Id : 630680947181 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In alluvial soil, morum, gravel, clay, debris or other similar ground, the sides shall be sloped at an angle of safety NOT exceeding _____ from the horizontal as per CMR 2017.

Options :

1. ✖ 30°
2. ✔ 45°
3. ✖ 50°
4. ✖ 60°

Question Number : 16 Question Id : 630680943955 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following are true about the powers of Inspectors of the Mines as per Mine Act 1952?

A.	Examine the ventilation of the mine
B.	Examine the sufficiency of the byelaws for the time being in force relating to the mine
C.	Examine all matters and things connected with or relating to the health, safety and welfare of the persons employed in the mine

Options :

1. ✖ Only A and B
2. ✖ Only A and C
3. ✔ A, B and C
4. ✖ Only B and C

Question Number : 17 Question Id : 630680943996 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Every mine where in more than _____ persons are employed, there shall be provided and maintained a first aid room as per Mine Act 1952.

Options :

1. ✖ 100
2. ✖ 120
3. ✔ 150
4. ✖ 200

Question Number : 18 Question Id : 630680944141 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Every person employed in a mine who has completed a calendar years' service therein shall be allowed, during the subsequent calendar year, leave with wages at the rate of one day for every _____ days of work performed by him in case of a person employed below ground.

Options :

1. ✖ 10
2. ✔ 15
3. ✖ 20
4. ✖ 25

Question Number : 19 Question Id : 630680944527 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

When using rescue apparatus, the leader shall carry a watch, shall record the pressure of the compressed oxygen at intervals of ____ minutes as per Mines Rescue Rules 1985.

Options :

1. ✖ 10
2. ✖ 15
3. ✔ 20
4. ✖ 25

Question Number : 20 Question Id : 630680947192 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following are true about content of Safety Management Plan as per CMR 2017?

	Contents of Safety Management Plan
A.	Defined mine safety and health policy of the company
B.	A plan to implement the policy
C.	How the mine or mines intend to develop capabilities to achieve the policy

D.	Principal hazard management plans

Options :

1. ✖ Only A and B
2. ✖ Only B and C
3. ✖ Only B, C and D
4. ✔ A, B, C and D

Question Number : 21 Question Id : 630680947351 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a mechanised shaft sinking method?

Options :

1. ✖ Shaft boring
2. ✖ Box hole drilling
3. ✖ Shaft drilling
4. ✔ Caisson method

Question Number : 22 Question Id : 630680978836 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Which method of coal mining is best suited to work at shallow depth?

Options :

1. ✖ Longwall
2. ✔ Bord and Pillar
3. ✖ Horizon
4. ✖ Hydraulic

Question Number : 23 Question Id : 630680979107 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

In a bord and pillar mining, the width of the pillar and galleries are 19.5 m and 3.0 m, respectively. The percentage of extraction during development is _____.

Options :

1. ✖ 26.8%
2. ✖ 32.5%
3. ✔ 24.8%
4. ✖ 42.6%

Question Number : 24 Question Id : 630680947364 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

The piling system of shaft sinking is suitable for loose deposits of sand, mud or alluvium near the surface up to a depth of _____ m from the surface.

Options :

1. ✖ 10
2. ✖ 15
3. ✔ 20
4. ✖ 30

Question Number : 25 Question Id : 630680978789 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

In temporary lining, the suspended skeleton ring by chains from the steel girder frame at the surface are securely held against the sides of the excavation by _____.

Options :

1. ✖ curbs
2. ✖ fish plates
3. ✔ wedges
4. ✖ hangers

Question Number : 26 Question Id : 630680978891 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

The distance between the centres of any two adjacent pillars left in a seam or section shall NOT be less than _____ m corresponding to the depth of 120 m from the surface at that point and the width of the galleries of 3.5 m.

Options :

1. ✖ 16.5
2. ✔ 19.5
3. ✖ 22.5

4. ✖ 25.5

Question Number : 27 Question Id : 630680979878 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following statements is/are true about the problems of mining thick coal seams?

A.	Strata control is difficult
B.	Inspection of roof is very easy
C.	Risk of overriding of pillars
D.	Percentage of extraction is high

Options :
1. ✔ A and C
2. ✖ B and C
3. ✖ C and D
4. ✖ A, B and D

Question Number : 28 Question Id : 630680979968 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following conditions is NOT suited for hydraulic mining of coal?

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :
1. Seam thickness
2. Seam gradient
3. Hardness of coal
4. Nozzle pressure

Question Number : 29 Question Id : 630680981754 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Match the following component factors of coal gasification with their processes.

Component factors	Nature of processes
A. Oxidation zone	P. Volatile matter is released which then mix with the gas and in the process enriching it.
B. Reduction zone	Q. Coal reacts with oxygen of the gasification medium to produce CO and CO_2.
C. Distillation zone	R. The CO_2 and water vapour entrained by the gas flow are almost completely reduced to CO and H_2O.

Options :
1. ✖ A-R, B-Q, C-P
2. ✖ A-P, B-Q, C-R
3. ✔ A-Q, B-R, C-P
4. ✖ A-P, B-R, C-Q

Question Number : 30 Question Id : 630680978575 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Match the followings special methods of shaft sinking with the suitable strata conditions.

Special methods of shaft sinking	Suitable strata conditions
A. Pilling system	P. Fissured water bearing strata
B. Caisson method	Q. Unstable friable strata with heavy inrush of water
C. Freezing method	R. Loose deposits of sand, mud, or alluvium
D. Cementation process	S. Strata consist of alternative tough and loose ground

Options :
1. ✖ A-S, B-Q, C-R, D-P
2. ✔ A-R, B-S, C-Q, D-P
3. ✖ A-R, B-S, C-P, D-Q
4. ✖ A-S, B-R, C-Q, D-P

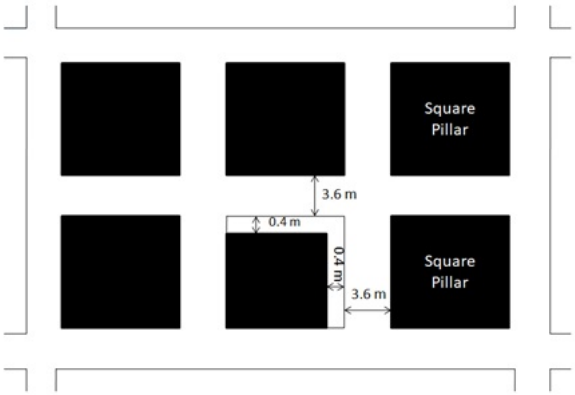
Question Number : 31 Question Id : 630680979465 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Square pillars in bord and pillar panel are of size 30 m centre to center, and the galleries are of width 4 m. The tributary area for each pillar is _____ in m^2.

Options :

1. ✖ 116
2. ✖ 240
3. ✖ 348
4. ✔ 224

Question Number : 32 Question Id : 630680981480 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

As shown in the given diagram, an underground panel in coal mine is being developed on bord and pillar system. The pillar size is 30 m × 30 m from centre to centre, and the adjacent galleries are 3.6 m wide. The width of the gallery is widened up to 0.4 m. Calculate the increased area of extraction in m^2 during widening of the gallery.



Options :

1. ✔ 20.96
2. ✖ 18.54
3. ✖ 16.82
4. ✖ 14.68

Question Number : 33 Question Id : 630680981755 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Match the following names of gases with their chemical formula.

Name of the gas	Chemical formula
A. Blackdamp	P. H_2S
B. Whitedamp	Q. CH_4
C. Stinkdamp	R. CO_2 + Nitrogen
D. Firedamp	S. CO

Options :

1. ✖ A-Q, B-R, C-P, D-S
2. ✖ A-S, B-Q, C-P, D-R
3. ✖ A-P, B-R, C-S, D-Q
4. ✔ A-R, B-S, C-P, D-Q

Question Number : 34 Question Id : 630680981810 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Match the following hazards during pillar extraction with their cause.

Hazards	Cause
A. Bumps	P. Rib instabilities
B. Air blast from gob caving event	Q. Overlying abandoned working
C. Roof falls	R. Pillar instability
D. CO, CO_2 and CH_4 from adjacent gob	S. Support failure

Options :

1. ✔ A-R, B-S, C-P, D-Q
2. ✖ A-R, B-S, C-Q, D-P
3. ✖ A-P, B-Q, C-S, D-R
4. ✖ A-S, B-R, C-P, D-Q

Question Number : 35 Question Id : 630680982218 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Sufficient cover over the roof of underground workings should be more than the prescribed limit of _____ m where the surface rocks are not well consolidated, (where the mine is worked by inclines and for the workings on the rise side if the mine is not deep).

Options :

1. ✖ 10
2. ✔ 15
3. ✖ 20
4. ✖ 25

Question Number : 36 Question Id : 630680983364 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

The velocity of air in the mine airway of size (2.2 × 1.8) m is 0.5 m/s. The kinematic viscosity of air is 0.16×10^{-4} m^2s^{-1}. Calculate the Reynolds number.

Options :

1. ✔ 61875
2. ✖ 56184
3. ✖ 48624
4. ✖ 62872

Question Number : 37 Question Id : 630680981761 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Match the following.

Percentage of CO in air	Physiological effects
A. 0.02	P. Unconsciousness after 10 minutes at work or 30 minutes at rest
B. 0.12	Q. Death after 10 to 15 minutes of work
C. 0.2	R. Palpitations after 10 minutes at work or 30 minutes at rest
D. 0.5 to 1.0	S. Headache, discomfort and possibility of collapse after 45 minutes at work or two hours at rest

Options :

1. ✖ A-R, B-S, C-Q, D-P
2. ✔ A-S, B-R, C-P, D-Q
3. ✖ A-S, B-R, C-Q, D-P
4. ✖ A-Q, B-S, C-P, D-R

Question Number : 38 Question Id : 630680981762 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

The carbon monoxide (CO) detector 'Hoolamite' is a mixture of _____ and _____.

Options :

1. ✖ manganese dioxide, copper oxide
2. ✖ aluminum oxide, silver cyanide
3. ✔ iodine pentoxide, sulphuric acid
4. ✖ iodine pentoxide, silver cyanide

Question Number : 39 Question Id : 630680981763 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Which of the following methane gas detectors DOES NOT work under the principle of Wheatstone bridge?

Options :

1. ✖ MSA D-6 Methanometer
2. ✖ Automatic Firedamp Detector
3. ✖ Oldham Methanometer
4. ✔ Interference Methanometer

Question Number : 40 Question Id : 630680981781 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Which of the following statements are INCORRECT for GL-5 type of flame safety lamp?

A.	It has two cylindrical glasses surrounding the flame.
B.	It is used for percentage test of methane.
C.	It uses colorless kerosine oil.
D.	It has top feed arrangement.

Options :

1. ✖ Only A and B

2. ✖ A, B and C

3. ✔ Only B and D

4. ✖ A, B and D

Question Number : 41 Question Id : 630680982345 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Match the following occupational diseases caused by specified dust.

Name of the lung diseases	Type of dust
A. Silicosis	P. Silicate of magnesium
B. Siderosis	Q. Quartz
C. Berylliosis	R. Iron oxide
D. Asbestosis	S. Beryllium

Options :

1. ✖ A-S, B-R, C-Q, D-P

2. ✖ A-R, B-S, C-P, D-Q

3. ✖ A-P, B-S, C-R, D-Q

4. ✔ A-Q, B-R, C-S, D-P

Question Number : 42 Question Id : 630680982820 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In Proto Mark IV rescue apparatus, 'protosorb' is used as absorbent which is a mixture of _____ and _____.

Options :

1. ✔ calcium hydroxide, caustic soda

2. ✖ manganese dioxide, caustic soda

3. ✖ calcium hydroxide, sodium cyanide

4. ✖ calcium chloride, soda phosphate

Question Number : 43 Question Id : 630680983029 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following physical properties of rock does NOT depend on geothermal gradient?

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

1. Thermal conductivity

2. Specific heat

3. Density

4. Permeability

Question Number : 44 Question Id : 630680983146 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The rate of sensible heat transfer from the rock wall to the air is a linear function of the difference between the temperature of the rock wall and the mean air temperature as well as the _____.

Options :

1. ✖ specific heat

2. ✖ virgin rock temperature

3. ✔ coefficient of heat transfer

4. ✖ thermal diffusivity

Question Number : 45 Question Id : 630680981832 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following(s) is/are NOT a mitigation measure for mine fire in underground coal mine?

A.	Ensuring proper ventilation
B.	Sealing off of worked out/depillared panels
C.	Extraction of highly susceptible or thick coal seams in conjunction with caving
D.	Removal of spalled fallen coal regularly from workings, which are sealed-off

Options :

1. ✖ C

2. ✖ A, C, D

3. ✔ C, D

4. ✖ B, C, D

Question Number : 46 Question Id : 630680982374 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

No working which has approached within a distance of _____ metres of any other working (not being a working which has been physically examined and found to be free from accumulation of water or other liquid matter) as per CMR 2017.

Options :

1. ✖ 30

2. ✔ 60

3. ✖ 100

4. ✖ 120

Question Number : 47 Question Id : 630680982982 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In an underground coal mine,1 kg of air is passing through in a vertical downcast shaft of depth 100 m. Calculate the increase in heat (kJ/kg) due to auto compression.

Options :

1. ✖ 9.81

2. ✔ 0.98

3. ✖ 0.098

4. ✖ 0.0098

Question Number : 48 Question Id : 630680983212 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The compression and expansion are based on _____ and _____ process in mine refrigeration system.

Options :

1. ✖ isobaric, isothermal

2. ✔ isentropic, adiabatic

3. ✖ isothermal, adiabatic

4. ✖ adiabatic, isochoric

Question Number : 49 Question Id : 630680930718 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The movement of the ground that can occur after underground coal mining is called _____.

Options :

1. ✖ rock burst

2. ✔ subsidence

3. ✖ inundation

4. ✖ caving

Question Number : 50 Question Id : 630680932908 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The Rock Mass Rating (RMR) of a roof 65 indicates _____.

Options :

1. ✖ fair

2. ✔ good

3. ✖ poor

4. ✖ very good

Question Number : 51 Question Id : 630680932121 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The angle between the vertical and the line joining edge of the excavation with the point at the surface where subsidence diminishes to zero is known as _____.

Options :

1. ✖ angle of break

2. ✖ angle of contact

3. ✔ angle of draw

4. ✖ angle of subsidence

Question Number : 52 Question Id : 630680932447 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Visually, test of roof does NOT aim to detect _____.

Options :

1. ✔ ringing sound
2. ✖ cracks in the roof
3. ✖ water percolation from roof
4. ✖ sign of weight on supports

Question Number : 53 Question Id : 630680932623 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following are correct about mine roof supports?

A	To prevent major collapses of mine roof
B	To protect miners from small rock falls that can occur from the immediate roof skin
C	To prevent deformation of mine openings for access, escape and ventilation of mine workings
D	To safeguard expensive machines used in mines

Options :

1. ✖ Only A and B
2. ✖ Only A, B and C
3. ✔ A, B, C and D
4. ✖ B, C and D

Question Number : 54 Question Id : 630680932945 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT the parameter of Rock Mass Rating (RMR)?

Options :

1. ✖ Layer thickness
2. ✖ Weatherability
3. ✖ Groundwater
4. ✔ Support system

Question Number : 55 Question Id : 630680932368 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Petrographic study of roof shales does NOT contain _____.

Options :

1. ✖ feldspar
2. ✖ clay minerals
3. ✔ limestone
4. ✖ mica

Question Number : 56 Question Id : 630680932767 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Match the following.

Type of roof support	Components
A. Roof bolt	P. Canopy
B. Wooden chock	Q. Mild steel clamps
C. Shield support	R. Bearing plate
D. Safari support	S. Sleeper

Options :

1. ✔ A-R, B-S, C-P, D-Q
2. ✖ A-S, B-R, C-P, D-Q
3. ✖ A-R, B-S, C-Q, D-P
4. ✖ A-P, B-S, C-R, D-Q

Question Number : 57 Question Id : 630680940615 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Dust concentration is generally represented by _____.

Options :

1. ✖ g/m^3
2. ✔ mg/m^3
3. ✖ g/cm^3
4. ✖ mg/cm^3

Question Number : 58 Question Id : 630680941066 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Dust suppression system means:
Options :
1. ✔ to prevent dust from becoming airborne by spraying water
2. ✖ to allow the dust particles for spreading in air
3. ✖ to free the dust particles that are already airborne
4. ✖ to hold the dust particles with a vessel

Question Number : 59 Question Id : 630680941727 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following methods is NOT used in sampling of coal dust?
Options :
1. ✖ Filtration
2. ✖ Sedimentation
3. ✖ Thermal precipitation
4. ✔ Coning and quartering

Question Number : 60 Question Id : 630680933088 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
As per DGMS (Tech.) (S&T) Circular No.01, (Respirable Dust Measurements and Control to Prevent Pneumoconiosis in Mines), dated 21/01/2010, the size fraction of the respirable dust ranges from:
Options :
1. ✔ 0.1 to 10 µm
2. ✖ 10 to 15 µm
3. ✖ 15 to 20 µm
4. ✖ 20 to 25 µm

Question Number : 61 Question Id : 630680933199 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
If the shape of the dust particle is assumed to be spherical, and the buoyancy force exerted by air is constant, the settling velocity (V_t) of dust particle a

$$V_t = \frac{g D^2 (\rho_p - \rho_a)}{18\mu}$$

where, D represents _____.
Options :
1. ✖ density of the dust particle
2. ✔ diameter of the dust particle
3. ✖ drag force acting on the dust particle
4. ✖ dynamic viscosity of air

Question Number : 62 Question Id : 630680940709 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Photometer based direct-reading aerosol monitors use the principle of _____ to determine airborne dust concentration.
Options :
1. ✖ light absorption
2. ✖ gravimetric
3. ✔ light scattering
4. ✖ light adsorption

Question Number : 63 Question Id : 630680940914 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following practices is NOT recommended for dust control in an open cast mine?
Options :

1. ✖ Spraying of water on haul road
2. ✖ Covered belt conveyor system of transportation
3. ✖ Reducing the speed of dumper
4. ✔ Covering unpaved road surface with soils

Question Number : 64 Question Id : 630680941153 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following statements is/are INCORRECT about the drawbacks of wet suppression system in opencast mine?

A	Dust suppressed by water can again become airborne if allowed to dry up.
B	Water is safe for the environment and safe for workers to deal with on a daily basis.
C	Significant amount of water that is wasted during the process.
D	Water is inexpensive and usually easy to obtain.

Options :
1. ✖ A and B
2. ✖ C and D
3. ✖ C
4. ✔ B and D

Question Number : 65 Question Id : 630680941190 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
The disease which is caused by the inhalation of stone dust is known as _____.

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :
1. silicosis
2. pneumoconiosis
3. nystagmus
4. siderosis

Question Number : 66 Question Id : 630680933255 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Shapes of plumes depend upon atmospheric stability conditions. Under stable atmospheric condition, which of the following conditions holds good?
Options :
1. ✔ Environmental lapse rate < Dry adiabatic lapse rate
2. ✖ Environmental lapse rate > Dry adiabatic lapse rate
3. ✖ Environmental lapse rate = Dry adiabatic lapse rate
4. ✖ Environmental lapse rate ≫ Dry adiabatic lapse rate

Question Number : 67 Question Id : 630680940941 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following equipment is NOT used to control the dust in open cast mine?
Options :
1. ✖ Bag filter
2. ✖ Scrubber
3. ✔ Crusher
4. ✖ Electrostatic precipitator

Question Number : 68 Question Id : 630680941216 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following is the purpose of using stone dust in underground coal mines?
Options :
1. ✖ To avoid inundation
2. ✔ To prevent coal dust explosion
3. ✖ To reduce the chance of coal bumps
4. ✖ To minimise the effect of overriding of coal pillars

Question Number : 69 Question Id : 630680942135 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A locomotive weighs 15 tonnef, and the adhesion to the tracks is 2246 N per tonnef. Calculate the co-efficient of adhesion.

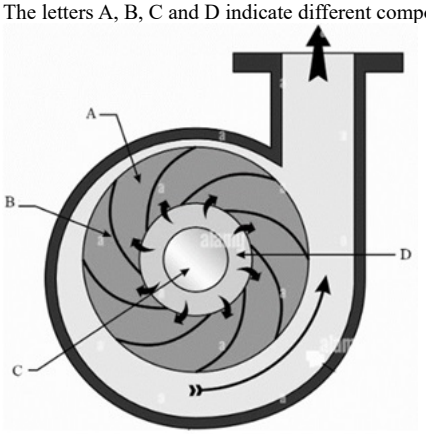
Options :

1. ✖ 4.367
2. ✖ 0.457
3. ✔ 0.229
4. ✖ 2.246

Question Number : 70 Question Id : 630680942396 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The letters A, B, C and D indicate different components of centrifugal pump. Match the following letters with their components.



	Components of Centrifugal pump
A	P. Shaft
B	Q, Impeller
C	R. Vanes
D	S. Suction eye

Options :

1. ✔ A-Q, B-R, C-P, D-S
2. ✖ A-R, B-Q, C-P, D-S
3. ✖ A-S, B-R, C-P, D.Q
4. ✖ A-P, B-Q, C-S, D-R

Question Number : 71 Question Id : 630680942682 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

'Tricone rock roller' bit is most widely used in _____ drilling method.

Options :

1. ✖ percussive
2. ✖ diamond
3. ✔ rotary
4. ✖ rotary percussive

Question Number : 72 Question Id : 630680942062 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Match the following types of rope haulage with their respective components.

Types of rope haulage	Components
A. Direct rope haulage	P. Two drums
B. Endless rope haulage	Q. Jig pulley
C. Main and tail rope haulage	R. Clifton pulley
D. Gravity rope haulage	S. Slip ring induction motor

Options :

1. ✖ A-Q, B-R, C-P, D-S
2. ✔ A-S, B-R, C-P, D-Q
3. ✖ A-R, B-S, C-P, D-Q
4. ✖ A-S, B-P, C-R, D-Q

Question Number : 73 Question Id : 630680942184 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The device which is used to terminate the belt conveyor operation immediately during emergency conditions is known as _____.

Options :

1. ✖ belt sway switch
2. ✖ tensioning arrangement
3. ✖ holdback
4. ✔ pull cord switch

Question Number : 74 Question Id : 630680942239 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Which of the following are true about the benefits of man riding system?

A.	The energy saved in travelling will leave the workmen relatively fresh at the face
B.	Higher productivity
C.	Saving in travelling time
D.	The reduction in fatigue may result in reduced absenteeism

Options :

1. ✖ Only A and B
2. ✖ Only A, C and D
3. ✔ A, B, C and D
4. ✖ Only B, C and D

Question Number : 75 Question Id : 630680942279 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a component of feeder breaker?

Options :

1. ✖ Drag conveyor
2. ✖ Pick breaker
3. ✔ Gathering arm loader
4. ✖ Hydraulic crawler drives

Question Number : 76 Question Id : 630680942587 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

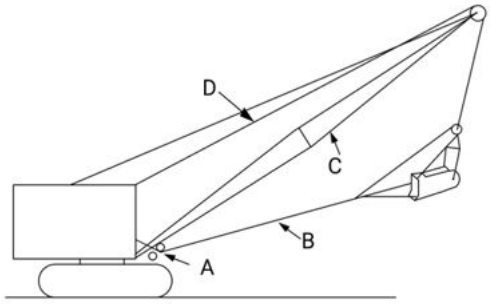
The chemical formula of 'yellow boy' is _____.

Options :

1. ✖ H_2SO_4
2. ✖ FeS_2
3. ✔ $Fe(OH)_3$
4. ✖ Fe_2O_3

Question Number : 77 Question Id : 630680942834 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

The uppercase letter A, B, C, and D represent different components of dragline. Match the uppercase letter with the corresponding components.



	Components of Dragline
A	P. Boom
B	Q. Fairlead
C	R. Hoist cable
D	S. Drag cable

Options :

1. ✖ A-S, B-R, C-P, D-Q
2. ✔ A-Q, B-S, C-P, D-R

3. ✖ A-S, B-P, C-R, D-Q
4. ✖ A-P, B-S, C-Q, D-R

Question Number : 78 Question Id : 630680942841 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
'Terrace cut' for excavating a block, is associated with _____.
Options :
1. ✖ dragline
2. ✖ shovel
3. ✔ bucket wheel excavator
4. ✖ surface miner

Question Number : 79 Question Id : 630680942859 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following equipment is NOT used with continuous miner in Bord and Pillar method of working?
Options :
1. ✖ Quad bolter
2. ✖ Shuttle car
3. ✖ Feeder breaker
4. ✔ Side discharge loader

Question Number : 80 Question Id : 630680942862 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
The mechanical fan which is NOT associated under the category of centrifugal fan is _____.
Options :
1. ✖ radial
2. ✖ forward curving
3. ✔ propeller
4. ✖ backward curving

Question Number : 81 Question Id : 630680941971 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
A pivoted piece of steel rail placed between the track rails so as to catch the axle of a backward runaway of tubs is called _____.
Options :
1. ✖ stop block
2. ✔ back catch
3. ✖ backstay
4. ✖ drop warwick

Question Number : 82 Question Id : 630680942174 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
A belt of 1 m width (W) conveys material of bulk density 1.35 t/m^3 at a speed of 90 m/min. If the cross-sectional area of the material is 0.09 W^2 , calculate the carrying capacity of the belt conveyor in tph.
Options :
1. ✖ 720
2. ✖ 854
3. ✔ 656
4. ✖ 912

Question Number : 83 Question Id : 630680942460 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
The flow at which the pump operates at the highest or optimum efficiency for a given impeller diameter is known as _____.
Options :
1. ✖ maximum head
2. ✔ best efficiency point
3. ✖ maximum efficiency
4. ✖ optimum flow rate

Question Number : 84 Question Id : 630680942772 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Match the following ripping mechanism with the type of strata.

Ripping mechanism	Type of strata
A. Ploughing	P. Inclined stratified rocks by shearing
B. Crushing	Q. Dense material without bedding planes
C. Lifting	R. Fractured rocks having small defect spacing
D. Breaking	S. Horizontally stratified rocks

Options :

1. ✔ A-Q, B-R, C-S, D-P
2. ✖ A-P, B-S, C-Q, D-R
3. ✖ A-R, B-Q, C-S, D-P
4. ✖ A-S, B-R, C-P, D-Q

Question Number : 85 Question Id : 630680943424 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

_____ and _____ are the hardest and softest minerals in Mohs scale of hardness.

Options :

1. ✖ Topaz; talc
2. ✖ Diamond; gypsum
3. ✔ Diamond; talc
4. ✖ Corundum; calcite

Question Number : 86 Question Id : 630680943032 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Match the following terminology with the corresponding definition.

Terminology	Definition
A. Washouts	P. An upwardly convex flexure in which a given bed intersects a horizontal plane in both limbs
B. Dykes	Q. The dislocations in which the hanging wall is displaced downwards relative to the footwall
C. Normal fault	R. The area where the coal has been partly or totally replaced by coarse grained elastic sediments
D. Anticline	S. An intrusion which breaks the continuity of strata without displacement

Options :

1. ✖ A-S, B-R, C-Q, D-P
2. ✖ A-P, B-R, C-S, D-Q
3. ✔ A-R, B-S, C-Q, D-P
4. ✖ A-R, B-Q, C-S, D-P

Question Number : 87 Question Id : 630680943157 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

Select the correct sequence of coalification process.

Options :

1. ✔ Peat→ Lignite→ Bituminous→ Anthracite
2. ✖ Peat→ Bituminous→ Lignite→ Anthracite
3. ✖ Peat→ Anthracite→ Bituminous→ Lignite
4. ✖ Peat→ Lignite→ Anthracite→ Bituminous

Question Number : 88 Question Id : 630680943268 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

India's major workable coal deposits occur in two distinct stratigraphic horizons called _____ and _____.

Options :

1. ✔ palaeozoic; tertiary
2. ✖ mesozoic; tertiary
3. ✖ lower cretaceous; tertiary
4. ✖ lower jurassic, tertiary

Question Number : 89 Question Id : 630680943366 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

_____ coalfield is known for the storehouse of prime coking coal in India.

Options :

1. ✖ Singrauli
2. ✖ Raniganj
3. ✖ Godavari Valley
4. ✔ Jharia

Question Number : 90 Question Id : 630680943451 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Select the correct sequence according to the position in Mohs scale of hardness.
Options :
1. ✖ Apatite, Calcite, Talc, Quartz, Diamond
2. ✖ Calcite, Apatite, Quartz, Diamond, Talc
3. ✖ Talc, Apatite, Quartz, Calcite, Diamond
4. ✔ Talc, Calcite, Apatite, Quartz, Diamond

Question Number : 91 Question Id : 630680943219 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Match the following banded constituents of bituminous coal with their appearances.

Banded constituent of bituminous coal	Appearance
A. Vitrain	P. Dull, black to grey black, hard, rough surface
B. Clarain	Q. Bright, black, brittle, frequently with fissures
C. Fusain	R. Silky luster, black, fibrous, soft, friable
D. Durain	S. Semi bright, black, very finely distributed

Options :
1. ✔ A-Q, B-S, C-R, D-P
2. ✖ A-S, B-Q, C-R, D-P
3. ✖ A-S, B-R, C-Q, D-P
4. ✖ A-Q, B-S, C-P, D-R

Question Number : 92 Question Id : 630680943402 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Match the following geological periods with the corresponding localities as per the lignite deposit.

Geological period	Localities
A. Miocene period	P. Kashmir
B. Eocene period	Q. Tamil Nadu
C. Pleistocene period	R. Gujrat and Rajasthan

Options :
1. ✖ A-R, B-P, C-Q
2. ✖ A-R, B-Q, C-P
3. ✔ A-Q, B-R, C-P
4. ✖ A-P, B-Q, C-R

Question Number : 93 Question Id : 630680943616 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which method of mine surveying deals with computer application?
Options :
1. ✖ Dumpy Level
2. ✖ Theodolite Traversing
3. ✔ Geographical Information System
4. ✖ Compass Traversing

Question Number : 94 Question Id : 630680943560 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Every entry in the book related to mine working shall be signed and dated by the surveyor and countersigned and dated by the _____ in the bound paged book as per CMR 2017.
Options :
1. ✖ safety officer
2. ✖ agent
3. ✖ assistant colliery manager
4. ✔ manager

Question Number : 95 Question Id : 630680943636 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
DGPS stands for:
Options :
1. ✖ Differential Geographical Positioning Satellite
2. ✖ Differential Global Placing Satellite
3. ✔ Differential Global Positioning System
4. ✖ Differential Geographical Positioning System

Question Number : 96 Question Id : 630680943578 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following duties and responsibilities of a surveyor are INCORRECT?

	Duties and responsibilities of a surveyor
A.	Shall not put his signature with date
B.	Make such accurate surveys and levellings
C.	Shall not sign the plans, sections and tracing
D.	Prepare plans and sections and tracings thereof

Options :
1. ✖ Only A and B
2. ✖ Only B and D
3. ✔ Only A and C
4. ✖ A, B and C

Part 2 General Studies

Section Id : 63068043729
Section Number : 2
Section type : Online
Mandatory or Optional : Mandatory
Number of Questions : 24
Number of Questions to be attempted : 24
Section Marks : 24
Section Negative Marks : 0
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 63068058050
Question Shuffling Allowed : Yes

Question Number : 97 Question Id : 630680908957 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Which of the following statements correctly describes the Republic Day of India, which commemorates the adoption of the Constitution of India on January 26, 1950?

1. The Republic Day marks the day when India formally became a sovereign democratic republic.
2. The first Republic Day parade was held in New Delhi in 1947.
3. The Republic Day is celebrated by unfurling the national flag and organising cultural performances across India.
4. The chief guest at India's Republic Day parade is typically a head of state or government from another country.

Options :
1. ✖ Only 1 and 3
2. ✔ Only 1, 3 and 4
3. ✖ Only 2 and 4
4. ✖ 1, 2, 3 and 4

Question Number : 98 Question Id : 630680628415 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
In which state of India can the final surviving habitat of Asiatic lions be found?
Options :
1. ✖ West Bengal
2. ✔ Gujarat
3. ✖ Karnataka
4. ✖ Rajasthan

Question Number : 99 Question Id : 630680743246 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
What is the Classic Mendelian phenotypic ratio for a dihybrid cross?
Options :
1. ✔ 9 : 3 : 3 : 1
2. ✖ 7 : 4 : 4 : 1
3. ✖ 1 : 1 : 1 : 1
4. ✖ 8 : 6 : 1 : 1

Question Number : 100 Question Id : 630680818711 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
What is the primary function of transpiration in plants?
Options :
1. ✖ Storage of excess glucose created by plants through photosynthesis
2. ✖ Facilitating the uptake of carbon dioxide for photosynthesis
3. ✔ Removing excess water from the plant through evaporation
4. ✖ Producing glucose and oxygen from carbon dioxide and water

Question Number : 101 Question Id : 630680306022 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
In the Women's IPL teams' auction, which team has the top bid of ₹1,289 crore in January 2023?
Options :
1. ✖ Bangalore
2. ✖ Mumbai
3. ✔ Ahmedabad
4. ✖ Delhi

Question Number : 102 Question Id : 630680329495 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Who won the first medal in the Commonwealth games 2022 for India?
Options :
1. ✔ Sanket Sargar
2. ✖ Mirabai Chanu
3. ✖ Sharath Kamal
4. ✖ Sunil Bahadur

Question Number : 103 Question Id : 630680145457 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Select the most appropriate pronoun to fill in the blank.
One cannot get everything _____ wishes for.
Options :
1. ✖ that
2. ✔ one
3. ✖ he
4. ✖ she

Question Number : 104 Question Id : 630680192920 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Select the most appropriate option to fill in the blank.
The dentist preferred to remove only the aching _____.
Options :
1. ✖ the teeth
2. ✖ a teeth
3. ✔ tooth
4. ✖ tooths

Question Number : 105 Question Id : 63068055210 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Select the option that expresses the given sentence in passive voice.
A machine could do this job much more easily.

Options :

1. ✖ This job would be done much more easily by a machine.
2. ✔ This job could be done much more easily by a machine.
3. ✖ This job will be done much more easily by a machine.
4. ✖ This job has been done much more easily by a machine.

Question Number : 106 Question Id : 630680166278 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Select the option that expresses the given sentence in direct speech.

He said that he was unable to come just then because he was ill, but he would certainly start as soon as he recovered.
Options :

1. ✖ He said, “I will be unable to come just now because I am ill, but I will certainly start as soon as I recover.”
2. ✔ He said, “I am unable to come just now because I am ill, but I will certainly start as soon as I recover.”
3. ✖ He said, “I cannot come just now because I am ill, but I would certainly start as soon as I recovered.”
4. ✖ He said, “I will be unable to come just now because I am ill, but I will certainly be starting as soon as I recover.”

Question Number : 107 Question Id : 630680888199 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A. The drawings were probably created 12,500 years ago.
B. The archaeologists made this discovery in 2019 but they kept it secret until now, ahead of the rock art’s debut in an upcoming documentary.
C. They thus provide further proof that the rainforest’s earliest inhabitants lived alongside Ice Age animals.
D. British and Colombian archaeologists have discovered a large display of ancient rock art on cliff faces in the Colombian Amazon rainforest.
Options :

1. ✖ DBCA
2. ✖ ABDC
3. ✔ DACB
4. ✖ BDAC

Question Number : 108 Question Id : 630680131920 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
Select the most appropriate meaning of the given idiom.
Call it a day
Options :

1. ✔ Stop working on something
2. ✖ Stop night flight operations
3. ✖ Commemorate a special day
4. ✖ Stop work for an office picnic

Question Number : 109 Question Id : 630680551878 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
The sum of 6 numbers is 324. Find their average.
Options :

1. ✔ 54
2. ✖ 53
3. ✖ 55
4. ✖ 52

Question Number : 110 Question Id : 630680613822 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0
By selling an article for ₹114, a man loses 10%. At what price (in ₹) should he sell it to gain 50%?
Options :

1. ✔ 190
2. ✖ 200
3. ✖ 180
4. ✖ 210

Question Number : 111 Question Id : 630680802640 Question Type : MCQ Option Shuffling : Yes
Correct Marks : 1 Wrong Marks : 0

The list price of an article is ₹36000 and a discount of 50% is offered on the list price. What additional discount per cent on the already discounted price must be offered to a customer to bring the net selling price to ₹1440?

Options :

1. ✔ 92
2. ✖ 90
3. ✖ 96
4. ✖ 97

Question Number : 112 Question Id : 630680551876 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The sum of 6 numbers is 300. Find their average.

Options :

1. ✔ 50
2. ✖ 49
3. ✖ 51
4. ✖ 48

Question Number : 113 Question Id : 630680410713 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In a certain code language, ‘fire breaks out’ is written as ‘ko ka ku’ and ‘go out and’ is coded as ‘ki ko ky’. How is ‘out’ coded in that language?

Options :

1. ✖ ka
2. ✖ ki
3. ✔ ko
4. ✖ ku

Question Number : 114 Question Id : 630680800525 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Options :

1. ✖ ST - VX
2. ✖ BC - EG
3. ✖ JK - MO
4. ✔ FG - IJ

Question Number : 115 Question Id : 630680638347 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Each letter in the word BRINGS is changed to the letter immediately succeeding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be second from the right in the new group of letters thus formed?

Options :

1. ✖ H
2. ✖ T
3. ✖ O
4. ✔ S

Question Number : 116 Question Id : 630680562005 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

What will come in the place of the question mark (?) in the following equation, if ‘÷’ and ‘×’ are interchanged and ‘+’ and ‘−’ are interchanged?

$38 - 5 \div 3 + 24 \times 8 = ?$

Options :

1. ✔ 50
2. ✖ 51
3. ✖ 52
4. ✖ 53

Question Number : 117 Question Id : 630680795410 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following Microsoft Excel tools lets the user automatically fill in a series of dates?

Options :

1. ✖ AutoComplete
2. ✔ AutoFill
3. ✖ Auto Validation
4. ✖ Auto Formatting

Question Number : 118 Question Id : 630680710666 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a way to secure a PC?

Options :

1. ✖ Availability
2. ✖ Confidentiality
3. ✖ Integrity
4. ✔ By not using Authentication

Question Number : 119 Question Id : 630680796771 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

How do you enable or disable Windows features such as Hyper-V or .NET Framework in Windows 10?

Options :

1. ✔ Control Panel > Programs > Programs and Features > Turn Windows features on or off
2. ✖ Settings > System > Apps & features
3. ✖ Task Manager > Services
4. ✖ Settings > Update & Security > Windows Update

Question Number : 120 Question Id : 630680852413 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In a Windows Operating System, If you right-click on the Start button at the left of the taskbar, a Quick Link menu will appear. Alternatively, which of the following keyboard shortcuts will show the Quick Link menu?

Options :

1. ✔ Windows logo key + X
2. ✖ Windows logo key + T
3. ✖ Windows logo key + Q
4. ✖ Alt + Q