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Test Date	21/02/2023
Test Time	4:30 PM - 6:30 PM
Subject	Mining Sirdar T and S Gr C

Section : General Knowledge and Current Affairs

Q.1 Song of Habba Khatoon, which is a classical song of Kashmiri is based on a _____.

- Ans A. story of war
 B. story of spirit
 C. story of mother
 D. story of love

Question ID : 630680168316
Status : Answered
Chosen Option : C

Q.2 Net National Product at market prices + Other current transfers from the rest of the world =?

- Ans A. National Disposable Income
 B. Net Value Added
 C. Gross Value Added
 D. Non-monetary exchanges

Question ID : 630680168318
Status : Answered
Chosen Option : C

Q.3 In which of the following years did the international non-governmental human rights organizations Amnesty International halt its operation in India?

- Ans A. 2018
 B. 2019
 C. 2022
 D. 2020

Question ID : 630680168314
Status : Answered
Chosen Option : D

Q.4 The tissue, which creates protective boundaries and is involved in the diffusion of ions and molecules is called _____.

- Ans A. muscle tissue
 B. epithelial tissue
 C. connective tissue
 D. nervous tissue

Question ID : 630680168320
Status : Answered
Chosen Option : B

Q.5 Which of the following sports personalities received Dhyan Chand Award (2022) for lifetime achievement in the sport of Hockey?

- Ans A. Suma Siddharth Shirur
 B. Jiwanjot Singh Teja
 C. Dharamvir Singh
 D. Raj Singh

Question ID : 630680168315
Status : Answered
Chosen Option : A

Q.6 As per the Niti Aayog's Multidimensional Poverty Index (MPI) released in 2021, the state of Madhya Pradesh has been placed in which position in the index?

- Ans A. Fifth
 B. Second
 C. Fourth
 D. Third

Question ID : 630680168319
Status : Answered
Chosen Option : D

Q.7 All Saints' Day is observed on which of the following days when many western Christian Churches honour and give thanks for both known and unknown Saints/saints?

- Ans A. 1 December
 B. 1 January
 C. 1 October
 D. 1 November

Question ID : 630680168317
Status : Answered
Chosen Option : C

Section : Reasoning and Mathematical Ability

Q.1 In a certain code language, EAGLE is coded as 30. How will FRISK be coded in that language?

- Ans A. 36
 B. 63
 C. 65
 D. 56

Question ID : 630680168322
Status : Answered
Chosen Option : B

Q.2 By selling an article at 57.5% of its selling price, Amit loses 31%. If he sells it at its original selling price, then what will be his profit per cent?

- Ans A. 24%
 B. 25%
 C. 21%
 D. 20%

Question ID : 630680168327
Status : Answered
Chosen Option : A

Q.3 Select the term from among the given options that can replace the question mark (?) in the following series.

A-677, C-585, E-509, G-449,?

- Ans A. I-402
 B. I-405
 C. I-404
 D. I-403

Question ID : 630680168321
Status : Answered
Chosen Option : B

Q.4 A library has an average of 215 visitors on Sundays, an average of 135 visitors on Saturdays and an average of 112 visitors per day on other days in the month of July starting with Thursday. What is the average number of visitors per day in July?

- Ans A. 130
 B. 128
 C. 129
 D. 127

Question ID : 630680168326
Status : Answered
Chosen Option : B

Q.5 Pointing to Mahek in a Photograph, "Danish said, "Her father has only one grandchild whose father is my brother." How is Danish related to Mahek?

- Ans A. Father-in-law
 B. Brother
 C. Brother-in-law
 D. Maternal uncle

Question ID : 630680168323
Status : Answered
Chosen Option : B

Q.6 Two solid metallic right circular cones of heights 26 cm and 58 cm and base radius 21 cm each are melted and recast into a solid sphere. What is the surface area (in cm^2) of the sphere?

- Ans A. 1296π
 B. 1600π
 C. 900π
 D. 1764π

Question ID : 630680168328
Status : Answered
Chosen Option : A

Q.7 If '+' means '-', '-' means '×', '×' means '+' and '+' means '+', then what will be the value of the following expression?

$$45 - 6 + 221 \times 17 + 89 = ?$$

- Ans A. 634
 B. 436
 C. 643
 D. 346

Question ID : 630680168324
Status : Answered
Chosen Option : D

Q.8

The value of $\frac{1\frac{1}{4} \times \frac{2}{3} \div \frac{5}{8} - \frac{3}{4} \div 1\frac{4}{5} \text{ of } \frac{2}{3} + \frac{1}{6}}{[28 \div 5 \text{ of } (20 - 17) \times 10 - (19 - 14)] \div 11\frac{3}{7}}$ is:

Ans

✓ A. $\frac{3}{4}$

✗ B. $3\frac{1}{2}$

✗ C. $1\frac{1}{7}$

✗ D. $\frac{5}{8}$

Question ID : 630680168325

Status : Answered

Chosen Option : C

Section : General Hindi and English

Q.1 Select the option that can be used as a one-word substitute for the underlined word.

A group of Siberian Cranes has arrived in the Bharatpur Bird Sanctuary.

Ans ✗ A. band

✓ B. flock

✗ C. troupe

✗ D. herd

Question ID : 630680168331

Status : Answered

Chosen Option : B

Q.2 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. Once there was a young fisher boy called Javed.
- B. For an entire day's work he received only five Rupees.
- C. He was a poor schoolboy who helped his mother sell red crabs.
- D. Yet he was happy and contented.

Ans ✗ A. ADCB

✗ B. ABDC

✓ C. ACBD

✗ D. ABCD

Question ID : 630680168329

Status : Answered

Chosen Option : C

Q.3 दिए गए शब्दों में से सर्वोचित शब्द से वाक्य पूर्ण करें:

उसकी असावधानी का _____ यह हुआ कि हम हार गए।

- Ans
- A. प्रमाण
 - B. परिमाण
 - C. परिणाम
 - D. प्रणाम

Question ID : 630680168333
Status : Answered
Chosen Option : C

Q.4 Select the most appropriate option to fill in the blanks.

Children like to read Panchatantra stories _____ the majority of the characters are animals. They can clearly recall the tales and _____ particular connections to them.

- Ans
- A. but; put
 - B. so; get
 - C. because; make
 - D. so that; take

Question ID : 630680168330
Status : Answered
Chosen Option : C

Q.5 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए:

- Ans
- A. पिताजी की बीमारी में खर्च हो चुकी थी घर की सारी जमा पूँजी।
 - B. पिताजी की बीमारी खर्च हो चुकी थी घर की सारी जमा पूँजी।
 - C. घर की सारी जमा पूँजी पिताजी की बीमारी में खर्च हो चुकी थी।
 - D. सारी जमा पूँजी घर की खर्च हो चुकी थी पिताजी की बीमारी में।

Question ID : 630680168332
Status : Answered
Chosen Option : C

Section : Part B Domain Knowledge and Assessment

Q.1 Which one of the following is considered to be the source of surface water causing danger to the mine operating nearby?

- Ans
- A. Rivers and nallahs
 - B. Domestic well
 - C. Domestic borehole
 - D. Presence of backbreak after the blasting

Question ID : 630680168350
Status : Answered
Chosen Option : A

Q.2 During the withdrawal of mine supports which one of the following is used as safety prop-withdrawer in the mine?

- Ans A. N hook
 B. C Chain
 C. Sylvester
 D. PG Prop

Question ID : 630680168338
Status : Answered
Chosen Option : C

Q.3 "Super elevation" is a term used for designing:

- Ans A. Rest shelters
 B. Haulroads
 C. Dumps
 D. Benches

Question ID : 630680168405
Status : Answered
Chosen Option : B

Q.4 No working which has approached within a distance of _____ of any disused or abandoned working whether in the same mine or in an adjoining mine shall be extended further without the prior permission from DGMS.

- Ans A. 60 m
 B. 100 m
 C. 75 m
 D. 50 m

Question ID : 630680168349
Status : Answered
Chosen Option : A

Q.5 Which one of the following is the source of moisture in mines?

- Ans A. Unsaturated roof
 B. The dry coal exists in the face
 C. Poor ventilated face
 D. Wet roadways and workings

Question ID : 630680168371
Status : Answered
Chosen Option : C

Q.6 Which of the following is the combined process by which adverse environmental effects of surface mining are minimized and mined lands are returned to a beneficial end use?

- Ans A. Exploration
 B. Prospecting
 C. Excavation
 D. Reclamation

Question ID : 630680168384
Status : Answered
Chosen Option : D

Q.7 A Foreman's district shall comprise of mechanised working in which not more than _____ equipments are operating with ancillary equipment.

- Ans A. Two crane
 B. Two drilling
 C. Two power shovel
 D. Two dozer

Question ID : 630680168378
Status : Answered
Chosen Option : C

Q.8 Which section of the Mines Act 1952 imposes bindings to give notice of accidents in mines?

- Ans A. 30
 B. 71
 C. 23
 D. 52

Question ID : 630680168411
Status : Answered
Chosen Option : C

Q.9 If the shots are fired with electric detonators in the mines, no person should enter the blasting site for _____ minutes after firing.

- Ans A. 60
 B. 30
 C. 5
 D. 15

Question ID : 630680168366
Status : Answered
Chosen Option : C

Q.10 'Dry bulb' in thermometer refers to:

- Ans A. Thermometer having its bulb uncovered and open to the air.
- B. Thermometer having its bulb covered with a piece of dry paper which dips into a small vessel filled with water.
- C. Thermometer having its bulb covered with a piece of muslin which dips into a small vessel filled with water.
- D. Thermometer having its bulb covered with a saturated piece of cloth which dips into a small vessel filled with acid.

Question ID : 630680168370
Status : Answered
Chosen Option : A

Q.11 Notice of accidents causing loss of life or serious bodily injury in connection with mining operation shall be given in form IV-A to the District Magistrate, Chief Inspector & Regional Inspector within 'A' hours of every such occurrence. 'A' is given by _____.

- Ans A. 12 hr
- B. 1 hr
- C. 6 hr
- D. 24 hr

Question ID : 630680168413
Status : Answered
Chosen Option : D

Q.12 Who is the Chairman of the Safety Committee constituted under the provisions of the Mines Rules 1955?

- Ans A. Agent
- B. Owner
- C. Safety Officer
- D. Manager

Question ID : 630680168408
Status : Answered
Chosen Option : D

Q.13 Artificial drying of timbers in kilns for making the roof supports is known as:

- Ans A. Kiln seasoning
- B. The pith
- C. Sap wooding
- D. Heart wood

Question ID : 630680168341
Status : Answered
Chosen Option : C

Q.14 If it is proposed to flood any part of the workings of the mine by introducing water from surface or from any other part of the mine or from any adjacent mine is called as

- Ans A. Intentional flooding
 B. Natural flooding
 C. Systematic flooding
 D. Eruption of flood

Question ID : 630680168353
Status : Answered
Chosen Option : A

Q.15 ANFO comprises of:

- Ans A. AN - 94% & Fuel Oil - 6%
 B. AN - 96% & Fuel Oil - 4%
 C. AN - 91% & Fuel Oil - 9%
 D. AN - 89% & Fuel Oil - 11%

Question ID : 630680168364
Status : Answered
Chosen Option : B

Q.16 What do you mean by 'Green Timber' ?

- Ans A. Timber logs are stacked in piles
 B. Cracking timber
 C. Timber not seasoned
 D. Timber containing less sap

Question ID : 630680168337
Status : Answered
Chosen Option : C

Q.17 Which section of the Mines Act 1952 gives power to inspectors to prohibit employment in mines?

- Ans A. 25
 B. 24
 C. 22A
 D. 23

Question ID : 630680168410
Status : Answered
Chosen Option : C

Q.18 The top, all insets and bottom of every working shaft and the sump thereof shall be kept clear and free from _____.

- Ans
- A. Survey instruments
 - B. loose materials
 - C. Lighting tower
 - D. Boundary stone

Question ID : 630680168355
Status : Answered
Chosen Option : B

Q.19 A Tell-tale is used for the measurement of _____.

- Ans
- A. On-the-spot measurement of the density
 - B. In-situ stress
 - C. Calorific value of the coal
 - D. Roof rock movement

Question ID : 630680168339
Status : Answered
Chosen Option : D

Q.20 Specific legislation relating to environmental protection in mines Sec.5 (2) of MMDR says that, 'No Mining lease shall be granted by the State Government unless it is satisfied that there is a mining plan duly approved by the _____' .

- Ans
- A. Central Government
 - B. competent authority
 - C. authorised person
 - D. State Government

Question ID : 630680168388
Status : Answered
Chosen Option : A

Q.21 S M P full form?

- Ans
- A. Security Management Plan
 - B. Systematic management Plan
 - C. Safety Management Plan
 - D. Surface Mining Plan

Question ID : 630680168392
Status : Answered
Chosen Option : C

Q.22 Which of the following regulation of CMR 2017 describes about the “Danger from surface water”

- Ans A. Reg 164
 B. Reg 149
 C. Reg 65
 D. Reg 150

Question ID : 630680168357
Status : Answered
Chosen Option : B

Q.23 It is the rate at which the detonation wave passes through a column of explosive is known as _____.

- Ans A. Detonation velocity
 B. Detonation sensitivity
 C. Detonation pressure
 D. Detonation resistance

Question ID : 630680168362
Status : Answered
Chosen Option : A

Q.24 No person shall work or travel on any ledge or footpath less than _____ meters wide from where he is likely to fall.

- Ans A. 1.5 m
 B. 2.1 m
 C. 1.2 m
 D. 1.8 m

Question ID : 630680168399
Status : Answered
Chosen Option : A

Q.25 Source of potential harm, injury or loss is known as _____.

- Ans A. Danger
 B. Unsafe condition
 C. Hazard
 D. Risk

Question ID : 630680168393
Status : Answered
Chosen Option : C

Q.26 As per Rule 24 of MCDR, the final mine closure plan must be submitted for approval _____ years prior to the proposed closure of the mine.

- Ans A. 3
 B. 1
 C. 5
 D. 2

Question ID : 630680168387
Status : Answered
Chosen Option : A

Q.27 The law governs the relationship between volume and pressure is known as:

- Ans A. Ponting' s law
 B. Boyle' s law
 C. Charles' law
 D. Richards' law

Question ID : 630680168372
Status : Answered
Chosen Option : B

Q.28 _____ roof does not transmit the horizontal stress in the direction of the mining.

- Ans A. Main
 B. Neither immediate nor main
 C. Both immediate and main
 D. Immediate

Question ID : 630680168340
Status : Answered
Chosen Option : D

Q.29 Mining operations in all areas notified under the _____, have been prohibited except with prior permission of the Central Government.

- Ans A. MMDR
 B. MCR
 C. Wild Life (Protection) Act, 1972
 D. MCDR

Question ID : 630680168389
Status : Answered
Chosen Option : A

Q.30 As per Section 8A (3), All mining leases granted before the commencement of the MMDR Amendment Act"2015 shall be deemed to have been granted for a period of _____ years.

- Ans A. 30
 B. 10
 C. 5
 D. 50

Question ID : 630680168385
Status : Answered
Chosen Option : A

Q.31 _____ is a plan which shows all places that are water logged, or can become water logged, and all information required for assessment of water danger in mine.

- Ans A. Surface plan
 B. Geological plan and section
 C. Ventilation plan
 D. Water danger plan

Question ID : 630680168352
Status : Answered
Chosen Option : D

Q.32 In addition to the Safety Management Plan, there should be _____.

- Ans A. a safety manual
 B. special operating procedures
 C. standard operating procedures
 D. a reclamation management plan

Question ID : 630680168396
Status : Answered
Chosen Option : C

Q.33 Who is the person appointed to superintend the raising and lowering of persons, tools and materials and to transmit signals at any inset or shaft bottom?

- Ans A. overman
 B. engineer
 C. onsetter
 D. sirdar

Question ID : 630680168402
Status : Answered
Chosen Option : C

Q.34 What is the danger zone for a blasting operation in the surface mines as stipulated in the CMR 2017?

- Ans A. 400 m
 B. 500 m
 C. 300 m
 D. 200 m

Question ID : 630680168368
Status : Answered
Chosen Option : B

Q.35 Tops of underground staple pits, and sumps is provided with _____ type fencing.

- Ans A. S1
 B. S2
 C. G2
 D. G4

Question ID : 630680168358
Status : Answered
Chosen Option : A

Q.36 As per the Forest (Conservation) Act, 1980, all mining projects involving diversion of more than _____ hectares of forestland shall require clearance from the environmental angle.

- Ans A. 20
 B. 10
 C. 30
 D. 40

Question ID : 630680168390
Status : Answered
Chosen Option : B

Q.37 _____ refers to the current of air flows through a mine without the aid of a fan or other mechanical contrivance.

- Ans A. Incline ventilation
 B. Artificial ventilation
 C. Vertical ventilation
 D. Natural ventilation

Question ID : 630680168376
Status : Answered
Chosen Option : D

Q.38 MCDR Rule 21(4) says the holder of a mining lease shall not abandon a mine unless there is a Final Mine Closure Plan duly approved by the _____.

- Ans A. competent authority
 B. state government
 C. authorised person
 D. mining company

Question ID : 630680168386
Status : Answered
Chosen Option : B

Q.39 The worst disaster caused at Chasnala colliery in Bihar in 1975 involving loss of 372 persons is due to:

- Ans A. Inundation
 B. Blasting
 C. Mine fires
 D. Roof failure

Question ID : 630680168348
Status : Answered
Chosen Option : A

Q.40 The width of any bench of an opencast mine shall NOT be less than:

- Ans A. the width of the widest machine plying on the bench
 B. if dumpers ply on the bench three times the width of the dumper
 C. the length of blast patch
 D. the digging height of the machine used for digging, excavation

Question ID : 630680168377
Status : Answered
Chosen Option : B

Q.41 The _____ is a working document, which outlines all of the actions to be carried out to ensure the safety and health at the work place.

- Ans A. Risk Management Plan
 B. Risk Assessment Plan
 C. Work Management Plan
 D. Safety Management Plan

Question ID : 630680168391
Status : Answered
Chosen Option : D

Q.42 Safety Management Plan submitted to the DGMS by:

- Ans A. Contractor
 B. Safety officer
 C. Mines Manager
 D. Administrative Manager

Question ID : 630680168395
Status : Answered
Chosen Option : C

Q.43 The ratio of actual working hours to the scheduled shift hours of any HEMM is known as _____.

- Ans A. Bucket fill factor
 B. Swell factor
 C. Overall utilization factor
 D. Shovel productivity

Question ID : 630680168382
Status : Answered
Chosen Option : C

Q.44 In order to monitoring support performance what minimum percentage of installed bolts shall be subjected to anchorage testing randomly:

- Ans A. 8 %
 B. 6 %
 C. 10 %
 D. 4 %

Question ID : 630680168361
Status : Answered
Chosen Option : C

Q.45 SCAMP refers to:

- Ans A. Strata Control and Measurement Plan
 B. Side Control and Support Monitoring Plan
 C. Support Control and Monitoring Plan
 D. Strata Control and Monitoring Plan

Question ID : 630680168336
Status : Answered
Chosen Option : D

Q.46 In Form 2E : Termination, notice shall be given to?

- Ans A. CIM (Chief Inspector of mines)
 B. Mine Agent
 C. DM (District Magistrate)
 D. RCM (Regional Controller of Mines)

Question ID : 630680168407
Status : Answered
Chosen Option : B

Q.47 A good roof (or) side in any working places gives the following sound when tapped with a walking stick:

- Ans A. Soft sound
 B. Explosion sound
 C. Ultrasonic sound
 D. Ringing sound

Question ID : 630680168335
Status : Answered
Chosen Option : D

Q.48 Who is appointed as the chairman of the "committee" made under the section 12 of Mines Act 1952 to consider the proposal for making rules & regulation under the Act?

- Ans A. A qualified Mining Engineer
 B. a person in the service of the Government not being the chief inspector or inspector appointed by the Central Government of India.
 C. Any inspector
 D. Owner of the mine.

Question ID : 630680168409
Status : Answered
Chosen Option : B

Q.49 As per the Mines Rules 1955, the initial medical examination of all persons seeking employment in a mine shall be carried out according to the standard laid down in _____.

- Ans A. Form S
 B. Form O
 C. Form P-I
 D. Form P

Question ID : 630680168403
Status : Answered
Chosen Option : C

Q.50 As per CMR 2017, No tree, loose stone or debris shall remain within a distance of _____ from the edge or side of excavation.

- Ans A. 2 m
 B. 4 m
 C. 3 m
 D. 5 m

Question ID : 630680168406
Status : Answered
Chosen Option : C

Q.51 The 'Prop density' is expressed in terms of _____.

- Ans A. The number of props per sq.m
 B. The number of props per cu.m
 C. The number of props between rows
 D. The number of props per gallery

Question ID : 630680168346
Status : Answered
Chosen Option : A

Q.52 When designing an optimal underground sump and pumping system it is of utmost importance to know?

- Ans A. the water inflow quantities
 B. The water resistivity
 C. Drillhole data
 D. The roof saturation

Question ID : 630680168356
Status : Answered
Chosen Option : A

Q.53 Which type of material is used for completely packing in stowing operation?

- Ans A. Any type material can be used
 B. Incombustible material
 C. Combustible material
 D. Carbonaceous material

Question ID : 630680168354
Status : Answered
Chosen Option : B

Q.54 In the inclined seams of underground coal mines, it is usual to fit the foot of the prop into a stamp hole in the floor at an angle of _____.

- Ans
- A. Steeper than 25 °
 - B. Steeper than 4 °
 - C. Steeper than 1 in 12
 - D. Steeper than 15 °

Question ID : 630680168342
Status : Answered
Chosen Option : A

Q.55 In a gassy seam of the second or third degree of underground coal mine, which type of explosive shall be used?

- Ans
- A. permitted sheathed explosives
 - B. Telgex
 - C. ANFO
 - D. LOX

Question ID : 630680168400
Status : Answered
Chosen Option : B

Q.56 The advantage of steel supports at the face in an underground coal mine is:

- Ans
- A. to support the freshly exposed surface as quickly as possible
 - B. to reduce the shifting of the supports to the maximum
 - C. to hamper advancing of the machines used at the face
 - D. to prevent the free passage of men to and from the face

Question ID : 630680168344
Status : Answered
Chosen Option : A

Q.57 During setting of supports in underground, a lid is used over the prop. The length of such lid shall not be less than _____.

- Ans
- A. 50 cm
 - B. 20 cm
 - C. 10 cm
 - D. 40 cm

Question ID : 630680168360
Status : Answered
Chosen Option : A

Q.58 Which of the following statement is incorrect regarding “sump” ?

- Ans A. An excavation made underground to collect water, from which it is pumped to the surface or to another sump nearer the surface.
- B. An excavation greater than and ahead of the regular work in driving a mine tunnel or sinking a mine shaft.
- C. Sumps are placed at the bottom of a shaft, near the shaft on a level, or at some interior point.
- D. An excavation made underground or at the bottom of a shaft to collect water

Question ID : 630680168359
Status : Answered
Chosen Option : B

Q.59 Which one of the following is not a cause which tend to heat the air?

- Ans A. Oxidation of carbonaceous material
- B. Conduction of heat from the strata
- C. Evaporation of moisture from wet shafts and roadways
- D. Burning of lamps

Question ID : 630680168375
Status : Answered
Chosen Option : C

Q.60 Who specify the conditions for conduct of blasting in fire areas in opencast coal mines in a general order?

- Ans A. Mine Manager
- B. Regional inspector of Mines
- C. Regional Controller of Mines
- D. Chief Inspector of Mines

Question ID : 630680168401
Status : Answered
Chosen Option : D

Q.61 Which one of the following principal support system for prop-free front falls under Long-bar system in an underground coal mine?

- Ans A. Goalpost system
- B. Triangular system
- C. Sawtooth system
- D. Straight-line system

Question ID : 630680168345
Status : Answered
Chosen Option : B

Q.62 _____ is air which holds the maximum weight of moisture it is capable of carrying at a given temperature.

- Ans A. Dry air
 B. Unsaturated air
 C. Saturated air
 D. Dew point

Question ID : 630680168369
Status : Answered
Chosen Option : B

Q.63 Which one of the following is not the duty of a Workmen' s Inspector employed in a mine as per the provisions of the Mines Rules, 1955?

- Ans A. to inform the manager and the Inspector about the immediate danger
 B. to accompany the owner during the course of inspection
 C. to inspect all shafts, inclines, roads, workplaces and the equipment thereat including the equipment for conveyance and transport of workers
 D. to suggest remedial measures necessary to avoid the danger

Question ID : 630680168404
Status : Answered
Chosen Option : B

Q.64 'Cross-Measure Borehole method' is used for:

- Ans A. Connecting two drifts
 B. Methane drainage
 C. Subsidence monitoring
 D. Rock slope monitoring

Question ID : 630680168397
Status : Answered
Chosen Option : A

Q.65 The function of artificial supports is introduced in the mine as the coal is extracted:

- Ans A. to provide collapsing of roof and sides
 B. to control the forces and strata movements induced by mining
 C. to restrict any movement of strata
 D. to redirect some of the forces to do waste work

Question ID : 630680168334
Status : Answered
Chosen Option : B

Q.66 _____ is the initial/first cut given for the physical development of an opencast mine.

- Ans A. Rectangular cut
 B. Box cut
 C. Zig-zag cut
 D. Round cut

Question ID : 630680168380
Status : Answered
Chosen Option : B

Q.67 Which one of the following is responsible for misfires occurring in the mines?

- Ans A. Shot circuit of the cable or detonator
 B. Insufficient drilling
 C. Poor ventilation
 D. Defective roof

Question ID : 630680168365
Status : Answered
Chosen Option : A

Q.68 Where mine entrances are situated below the HFL of a river, an embankment should be constructed against the river at height of _____ m.

- Ans A. Not less than 1 m
 B. Not less than 2 m
 C. Not less than 3 m
 D. 0.5 m

Question ID : 630680168351
Status : Answered
Chosen Option : A

Q.69 _____ is a method of timbering adopted when driving a roadway through loose ground for giving protection to the workers.

- Ans A. Wedging
 B. Forepoling
 C. Crossing
 D. Enlarging

Question ID : 630680168343
Status : Answered
Chosen Option : C

Q.70 The Safety Management Plan shall not contain the following:

- Ans A. defined mine safety and health policy of the company
 B. Compensation paid to the worker
 C. principal hazard management plans
 D. standard operating procedures

Question ID : 630680168398
Status : Answered
Chosen Option : B

Q.71 Which one of the following is an example of low explosive category?

- Ans A. Emulsion explosive
 B. ANFO
 C. Gunpowder
 D. Slurry explosive

Question ID : 630680168363
Status : Answered
Chosen Option : C

Q.72 Which instrument is used to measure the difference of air pressure between two points in the mines?

- Ans A. Inclinator
 B. Gauge meter
 C. Hygrometer
 D. Manometer

Question ID : 630680168373
Status : Answered
Chosen Option : B

Q.73 Risk score is basically comprises of:

- Ans A. Consequence x Probability
 B. Consequence x Probability x Exposure
 C. Probability x Exposure
 D. Consequence x Exposure

Question ID : 630680168394
Status : Answered
Chosen Option : B

Q.74 The most important parameter characteristic of discontinuity which governs the stability of highwall slope is _____.

- Ans A. Filling material
 B. Persistence
 C. Orientation of Discontinuity Plane
 D. Aperture

Question ID : 630680168383
Status : Answered
Chosen Option : C

Q.75 Which of the following category of work persons are not bound statutorily to have first aid certificate and to carry first aid outfit while on duty?

- Ans A. Mechanic
 B. Overman
 C. Line helper
 D. Mining sirdar

Question ID : 630680168412
Status : Answered
Chosen Option : C

Q.76 During the ripping operation carried out in an opencast mine, the mass of tractor of any ripper influences _____.

- Ans A. penetration of the working member of the ripper
 B. Dozing of the ripper
 C. Movement of the ripper
 D. Speed of the ripper

Question ID : 630680168381
Status : Answered
Chosen Option : A

Q.77 The 'Primer' in the blasting refers to:

- Ans A. Non-cap sensitive explosive connected with detonating fuse
 B. Cap-sensitive explosive
 C. Cap sensitive explosive connected with detonator
 D. Non-cap sensitive explosive

Question ID : 630680168367
Status : Answered
Chosen Option : A

Q.78 Geothermal gradient in a mine is defined as:

- Ans A. the cause of the difference of density is a naturally existing difference of temperature
- B. the decrease in temperature of the strata as we descend below the surface
- C. the increase in temperature of the strata as we descend below the surface
- D. the temperature of the strata remains constant as we descend below the surface

Question ID : 630680168374
Status : Answered
Chosen Option : C

Q.79 _____ is a practice of supporting the immediate roof of a roadway (or) workplace by clamping the bedded strata of the roof by mild steel bolts so as to cause them to act as one thick beam.

- Ans A. Suspended roof support
- B. Straight-line system
- C. Slide-bar system
- D. Roof crunching

Question ID : 630680168347
Status : Answered
Chosen Option : A

Q.80 Which of the following tests shall be carried out at least once in two weeks the brakes of the truck, dumper or any such other vehicle?

- Ans A. Cantilever test
- B. Dumping brake test
- C. Speed brake test
- D. Parking brake test

Question ID : 630680168379
Status : Answered
Chosen Option : D