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SOUTHEASTERN COALFIELDS LTD.

"A Mini Ratna Company"

CIN: U10102CT1985G01003161

(A Subsidiary of Coal India Ltd.)

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OFFICE OF THE GENERAL MANAGER (HR/MP)



Participant ID	
Participant Name	
Test Center Name	02/07/2026
Test Date	1:00 PM - 3:00 PM
Test Time	
Subject	Mining Sirdar T and S Grade C

Section : Part A Subject Knowledge

Q.1 Which device automatically maintains the rotary speed of an engine or other prime mover within reasonably close limits regardless of the load?

Ans ☒ 1. Governor

☒ 2. Screw thread

☒ 3. Bearings

☒ 4. Flywheel

Question ID : 4410091837066

Option 1 ID : 4410097241911

Option 2 ID : 4410097241913

Option 3 ID : 4410097241912

Option 4 ID : 4410097241910

Status : Answered

Chosen Option : 1

Q.2 Which equipment is commonly used for mechanized drilling in stope mining?

- Ans
- ☐ 1. Rock breaker
 - ☒ 2. Jumbo drill
 - ☐ 3. Scraper
 - ☐ 4. Load Haul Dump (LHD)

Question ID : 4410091832079

Option 1 ID : 441009722362

Option 2 ID : 441009722360

Option 3 ID : 441009722361

Option 4 ID : 441009722359

Status : Answered

Chosen Option : 2

Q.3 What is the primary purpose of establishing a safety committee in an organization?

- Ans
- ☐ 1. To organize company social events
 - ☐ 2. To manage company finances
 - ☒ 3. To oversee and improve workplace safety
 - ☐ 4. To recruit new employees

Question ID : 4410091832446

Option 1 ID : 4410097223791

Option 2 ID : 4410097223792

Option 3 ID : 4410097223790

Option 4 ID : 4410097223793

Status : Answered

Chosen Option : 3

Q.4 Under statutory safety provisions governing winding operations in underground mines, if a supervisor finds that the emergency stop switch in the winding system is not working what should be the immediate course of action?

- Ans
- ☐ 1. Wait for routine maintenance to fix the problem
 - ☐ 2. Continue operation but notify all workers
 - ☐ 3. Operate with caution until supervisor arrives
 - ☒ 4. Halt operations and report for urgent repair

Question ID : 4410091809157

Option 1 ID : 4410097132919

Option 2 ID : 4410097132918

Option 3 ID : 4410097132920

Option 4 ID : 4410097132917

Status : Answered

Chosen Option : 4

Q.5 Which explosive can be used in watery holes ?

- Ans ☒ 1. Emulsion
- ☒ 2. ALANFO
- ☒ 3. Heavy ANFO
- ☒ 4. ANFO

Question ID : 4410091833803

Option 1 ID : 4410097229095

Option 2 ID : 4410097229094

Option 3 ID : 4410097229093

Option 4 ID : 4410097229092

Status : Answered

Chosen Option : 1

Q.6 Which of the following is the main purpose of concentrating an ore in mining?

- Ans ☒ 1. To increase the ore's weight
- ☒ 2. To extract the metal directly from the ore
- ☒ 3. To remove unwanted impurities from the ore
- ☒ 4. To change the ore's color

Question ID : 4410091834210

Option 1 ID : 4410097230720

Option 2 ID : 4410097230723

Option 3 ID : 4410097230721

Option 4 ID : 4410097230722

Status : Answered

Chosen Option : 3

Q.7 During the design of a surface mine layout, which factor is most crucial for optimizing haul road placement?

- Ans ☒ 1. Maximizing the width of all haul roads
- ☒ 2. Placing haul roads at the bottom of the pit
- ☒ 3. Ensuring haul roads are always parallel to pit benches
- ☒ 4. Minimizing the haul distance between the pit and the waste dump

Question ID : 4410091829438

Option 1 ID : 4410097211851

Option 2 ID : 4410097211852

Option 3 ID : 4410097211853

Option 4 ID : 4410097211854

Status : Answered

Chosen Option : 4

Q.8 What type of curve is most commonly used to connect two straight underground tunnel alignments smoothly?

- Ans ☒ 1. Circular curve
☐ 2. Transition curve
☐ 3. Spiral curve
☐ 4. Parabolic curve

Question ID : 4410091808967
Option 1 ID : 4410097132157
Option 2 ID : 4410097132159
Option 3 ID : 4410097132158
Option 4 ID : 4410097132160
Status : Answered
Chosen Option : 3

Q.9 Which action is NOT an appropriate responsibility for an authorized blaster?

- Ans ☐ 1. Supervising explosive storage
☐ 2. Conducting pre-blast safety checks
☒ 3. Allowing untrained workers to handle explosives
☐ 4. Enforcing blasting safety protocols

Question ID : 4410091809245
Option 1 ID : 4410097133269
Option 2 ID : 4410097133270
Option 3 ID : 4410097133271
Option 4 ID : 4410097133272
Status : Answered
Chosen Option : 3

Q.10 A mining company wants to improve safety by redefining the role of officials. Which of the following is most likely to lead to better safety outcomes?

- Ans ☐ 1. Increasing the number of officials without changing roles
☒ 2. Clearly defining duties and responsibilities for all officials and competent persons
☐ 3. Focusing only on equipment maintenance and neglecting human roles
☐ 4. Assigning all responsibilities to one senior official

Question ID : 4410091809144
Option 1 ID : 4410097132866
Option 2 ID : 4410097132865
Option 3 ID : 4410097132868
Option 4 ID : 4410097132867
Status : Answered
Chosen Option : 2

Q.11 Suppose a mining operation faces an increase in annual operating costs due to stricter environmental regulations. How would this most likely impact the mine's economic value using standard investment analysis methods?

- Ans ☒ 1. Extended mine life because of regulatory compliance
- ☒ 2. Reduced net present value due to lower projected cash flows
- ☒ 3. Increased estimated mineral resources due to improved practices
- ☒ 4. Higher market price for mineral output due to reputation

Question ID : 4410091829397

Option 1 ID : 4410097211690

Option 2 ID : 4410097211691

Option 3 ID : 4410097211689

Option 4 ID : 4410097211692

Status : Answered

Chosen Option : 4

Q.12 A workman in an underground mine is expected to follow which procedure when encountering a hazardous situation during his duties?

- Ans ☒ 1. Attempt to resolve the hazard independently
- ☒ 2. Immediately inform the supervisor and follow established emergency protocols
- ☒ 3. Ignore the hazard and continue working
- ☒ 4. Wait for a scheduled inspection to report the hazard

Question ID : 4410091863143

Option 1 ID : 4410097342766

Option 2 ID : 4410097342767

Option 3 ID : 4410097342768

Option 4 ID : 4410097342769

Status : Answered

Chosen Option : 2

Q.13 Which vehicle shall be classified as a light vehicle in the traffic rules and procedure in the DGMS Technical Circular?

- Ans ☒ 1. Fuel truck
- ☒ 2. ANFO truck
- ☒ 3. Passenger cars
- ☒ 4. Dumpers

Question ID : 4410091855440

Option 1 ID : 4410097312906

Option 2 ID : 4410097312907

Option 3 ID : 4410097312904

Option 4 ID : 4410097312905

Status : Answered

Chosen Option : 3

Q.14 After an incident involving contaminated drinking water at a mining site, which action should a safety officer prioritize to prevent recurrence and ensure ongoing worker protection?

- Ans** ☒ 1. Implementing a routine system for testing and monitoring water quality at all supply points
- ☒ 2. Increasing the number of water fountains without testing
- ☒ 3. Providing bottled water only during emergencies
- ☒ 4. Conducting a single training session on water usage

Question ID : 4410091869311

Option 1 ID : 4410097364775

Option 2 ID : 4410097364776

Option 3 ID : 4410097364777

Option 4 ID : 4410097364778

Status : Answered

Chosen Option : 1

Q.15 The contour lines are imaginary lines connecting points of _____ elevation.

- Ans** ☒ 1. Decreasing
- ☒ 2. Different
- ☒ 3. Increasing
- ☒ 4. Equal

Question ID : 4410091809362

Option 1 ID : 4410097133736

Option 2 ID : 4410097133733

Option 3 ID : 4410097133735

Option 4 ID : 4410097133734

Status : Answered

Chosen Option : 4

Q.16 When evaluating access methods for a new mine located on flat terrain with shallow ore, which method is most practical?

- Ans** ☒ 1. Decline
- ☒ 2. Adits
- ☒ 3. Vertical shaft
- ☒ 4. Inclined shaft

Question ID : 4410091829382

Option 1 ID : 4410097211632

Option 2 ID : 4410097211630

Option 3 ID : 4410097211629

Option 4 ID : 4410097211631

Status : Answered

Chosen Option : 4

Q.17 The flammable methane-air mixture is incapable of supporting flame propagation when the oxygen concentration is

- Ans ☒ 1. 9%
- ☐ 2. 20.12%
- ☐ 3. 17.5%
- ☐ 4. 25%

Question ID : 4410091837049
 Option 1 ID : 4410097241842
 Option 2 ID : 4410097241844
 Option 3 ID : 4410097241843
 Option 4 ID : 4410097241845
 Status : Answered
 Chosen Option : 1

Q.18 In the context of mining economics, why might a material that is not classified as ore today become classified as ore in the future?

- Ans ☐ 1. The presence of any mineral makes it ore eventually
- ☐ 2. Its location shifts closer to existing mining infrastructure
- ☒ 3. Changes in market prices or improvements in extraction technology can make mining profitable
- ☐ 4. The age of the mineral deposit increases its ore potential

Question ID : 4410091860946
 Option 1 ID : 4410097334102
 Option 2 ID : 4410097334101
 Option 3 ID : 4410097334099
 Option 4 ID : 4410097334100
 Status : Answered
 Chosen Option : 3

Q.19 What will be the area of orifice (A) if quantity of air flow is 1m^3 and pressure causing flow is 16 Pascal ?

- Ans ☒ 1. 0.3m^2
- ☐ 2. 0.9m^2
- ☐ 3. 4m^2
- ☐ 4. 1.6m^2

Question ID : 4410091837058
 Option 1 ID : 4410097241878
 Option 2 ID : 4410097241880
 Option 3 ID : 4410097241879
 Option 4 ID : 4410097241881
 Status : Answered
 Chosen Option : 3

Q.20 During loading operations, which practice increases the risk of equipment instability?

- Ans
- ☒ 1. Positioning equipment on stable surfaces
 - ☐ 2. Lifting loads beyond the equipment's rated capacity
 - ☒ 3. Keeping loads close to the ground
 - ☒ 4. Following the load chart strictly

Question ID : 4410091809239
Option 1 ID : 4410097133248
Option 2 ID : 4410097133245
Option 3 ID : 4410097133247
Option 4 ID : 4410097133246
Status : Answered
Chosen Option : 2

Q.21 Which type of photographs are commonly used in photogrammetry?

- Ans
- ☒ 1. Aerial and terrestrial
 - ☒ 2. Medical
 - ☒ 3. Microscopic
 - ☒ 4. Underwater

Question ID : 4410091825919
Option 1 ID : 4410097197934
Option 2 ID : 4410097197937
Option 3 ID : 4410097197936
Option 4 ID : 4410097197935
Status : Answered
Chosen Option : 1

Q.22 A mining engineer is tasked with maximizing productivity in an opencast coal mine while ensuring environmental compliance. Which operational practice should they prioritize?

- Ans
- ☒ 1. Using smaller equipment
 - ☐ 2. Implementing systematic overburden removal and reclamation measures
 - ☒ 3. Reducing bench height
 - ☒ 4. Increasing blasting frequency

Question ID : 4410091864741
Option 1 ID : 4410097348280
Option 2 ID : 4410097348281
Option 3 ID : 4410097348283
Option 4 ID : 4410097348282
Status : Answered
Chosen Option : 2

Q.23 What is the primary goal of mine planning in the mining operations?

- Ans
- ☒ 1. To reduce statutory and government regulations
 - ☒ 2. To purchase new mining equipment
 - ☒ 3. To ensure the safe, economical, and efficient extraction of mineral resources
 - ☒ 4. To increase the market price of minerals

Question ID : 4410091808995
Option 1 ID : 4410097132272
Option 2 ID : 4410097132270
Option 3 ID : 4410097132271
Option 4 ID : 4410097132269
Status : Answered
Chosen Option : 3

Q.24 Which legislation primarily governs safety standards in Indian coal mines?

- Ans
- ☒ 1. Coal Mines (Conservation and Development) Act, 1974
 - ☒ 2. Mines Act, 1952
 - ☒ 3. Environment Protection Act, 1986
 - ☒ 4. Factories Act, 1948

Question ID : 4410091809094
Option 1 ID : 4410097132667
Option 2 ID : 4410097132665
Option 3 ID : 4410097132668
Option 4 ID : 4410097132666
Status : Answered
Chosen Option : 2

Q.25 A mining company wants to improve occupational safety using recent incident data. Which approach would be most effective in reducing future incidents?

- Ans
- ☒ 1. Focus only on incidents with minor injuries
 - ☒ 2. Analyze root causes and implement targeted safety interventions
 - ☒ 3. Increase the number of warning signs in all areas
 - ☒ 4. Conduct general safety training for all employees

Question ID : 4410091809097
Option 1 ID : 4410097132680
Option 2 ID : 4410097132677
Option 3 ID : 4410097132678
Option 4 ID : 4410097132679
Status : Answered
Chosen Option : 2

Q.26 Following a mine explosion, a rescue team is preparing to enter into the affected underground workings. What should be their first critical step before entry?

- Ans
- ☒ 1. Review previous shift attendance logs
 - ☒ 2. Check rescue team equipment inventory
 - ☒ 3. Contact families of trapped workers
 - ☒ 4. Assess atmospheric conditions for hazardous gases

Question ID : 4410091809096

Option 1 ID : 4410097132675

Option 2 ID : 4410097132676

Option 3 ID : 4410097132674

Option 4 ID : 4410097132673

Status : Answered

Chosen Option : 4

Q.27 When designing a work-study program to optimize drilling operations in an open-pit mine, which step is fundamental for ensuring reliable and actionable findings?

- Ans
- ☒ 1. Reviewing production reports from the previous quarter
 - ☒ 2. Interviewing drill operators for their opinions
 - ☒ 3. Scheduling maintenance as per manufacturer guidelines
 - ☒ 4. Collecting accurate time and motion data for each drilling task over multiple shifts

Question ID : 4410091849852

Option 1 ID : 4410097291489

Option 2 ID : 4410097291490

Option 3 ID : 4410097291491

Option 4 ID : 4410097291492

Status : Answered

Chosen Option : 4

Q.28 In drilling operations, what is the primary function of 'drilling mud' or fluid used during the process?

- Ans
- ☒ 1. To cool the drill bit, carry cuttings to the surface, and stabilize the borehole walls
 - ☒ 2. To act as an explosive for blasting operations
 - ☒ 3. To preserve the core sample after extraction
 - ☒ 4. To lubricate the drilling machinery directly

Question ID : 4410091860982

Option 1 ID : 4410097334244

Option 2 ID : 4410097334243

Option 3 ID : 4410097334246

Option 4 ID : 4410097334245

Status : Answered

Chosen Option : 4

Q.29 What is the primary danger associated with coal dust accumulation in underground mines?

- Ans ☒ 1. It can cause explosions if ignited
- ☐ 2. It causes water flooding
- ☐ 3. It reduces humidity in the air
- ☐ 4. It prevents methane buildup

Question ID : 4410091829504
Option 1 ID : 4410097212111
Option 2 ID : 4410097212114
Option 3 ID : 4410097212113
Option 4 ID : 4410097212112
Status : Answered
Chosen Option : 1

Q.30 If an unexpected increase in methane is detected during mining, which immediate action best demonstrates correct application of safety protocols?

- Ans ☒ 1. Cease operations and evacuate personnel from the affected area
- ☐ 2. Increase work speed to finish quickly
- ☐ 3. Continue operations with enhanced monitoring only
- ☐ 4. Open a new ventilation tunnel while continuing work

Question ID : 4410091864841
Option 1 ID : 4410097348673
Option 2 ID : 4410097348672
Option 3 ID : 4410097348675
Option 4 ID : 4410097348674
Status : Answered
Chosen Option : 1

Q.31 Which of the following best explains how land reclamation after surface mining can help reduce air and water pollution in the surrounding environment?

- Ans ☐ 1. By installing fencing around the mined area
- ☐ 2. By diverting wind with physical barriers
- ☒ 3. By establishing vegetation that traps dust and filters runoff
- ☐ 4. By spraying chemicals to suppress dust

Question ID : 4410091859535
Option 1 ID : 4410097328705
Option 2 ID : 4410097328706
Option 3 ID : 4410097328704
Option 4 ID : 4410097328707
Status : Answered
Chosen Option : 3

Q.32 What is the main reason for conducting regular inspection of haul roads in mines?

- Ans
- ☐ 1. To optimize rolling resistance and fuel efficiency of the haulage fleet
 - ☐ 2. To monitor the effectiveness of dust suppression and binding agents
 - ☐ 3. To ensure effective drainage and prevent structural degradation of the road layers
 - ☒ 4. To reduce the risk of vehicle accidents

Question ID : 4410091809212

Option 1 ID : 4410097133138

Option 2 ID : 4410097133140

Option 3 ID : 4410097133139

Option 4 ID : 4410097133137

Status : Answered

Chosen Option : 4

Q.33 A mining company wants to improve its workers' safety knowledge over time. What is the most effective strategy?

- Ans
- ☒ 1. Provide regular training sessions and update training records accordingly
 - ☐ 2. Give induction training only
 - ☐ 3. Conduct annual safety reviews without training
 - ☐ 4. Rely on workers' prior experience

Question ID : 4410091809134

Option 1 ID : 4410097132825

Option 2 ID : 4410097132826

Option 3 ID : 4410097132828

Option 4 ID : 4410097132827

Status : Answered

Chosen Option : 1

Q.34 In a systems engineering simulation of a ventilation system for an underground mine, which outcome is most relevant for evaluating design effectiveness?

- Ans
- ☐ 1. Reducing simulation duration.
 - ☐ 2. Minimizing the number of fans used.
 - ☒ 3. Ensuring airflow meets safety and operational requirements throughout the mine.
 - ☐ 4. Maximizing power consumption.

Question ID : 4410091859940

Option 1 ID : 4410097330315

Option 2 ID : 4410097330313

Option 3 ID : 4410097330312

Option 4 ID : 4410097330314

Status : Answered

Chosen Option : 3

Q.35 Which of the following equipment can be used for levelling?

- Ans ☒ 1. Dumpy level
- ☐ 2. Drones (UAVs)
- ☐ 3. Prismatic Compass
- ☐ 4. Measuring Chain/Tape

Question ID : 4410091809304

Option 1 ID : 4410097133505

Option 2 ID : 4410097133506

Option 3 ID : 4410097133508

Option 4 ID : 4410097133507

Status : Answered

Chosen Option : 1

Q.36 What is the frequency of examining the state of all haulage and travelling roads and roadways, including roadways leading to all the outlets of the mine which are in use by the overman or other competent person?

- Ans ☐ 1. Once at least in thirty days
- ☒ 2. Once at least every seven days
- ☐ 3. Once at least every ten days
- ☐ 4. Once at least every fourteen days

Question ID : 4410091854693

Option 1 ID : 4410097310056

Option 2 ID : 4410097310054

Option 3 ID : 4410097310057

Option 4 ID : 4410097310055

Status : Answered

Chosen Option : 2

Q.37 Acid rain is caused due to the following two important gaseous pollutants:

- Ans ☐ 1. Carbon dioxide and NO_x
- ☒ 2. SO₂ and NO_x
- ☐ 3. Carbon dioxide and H₂S
- ☐ 4. NO_x and O₃

Question ID : 4410091837073

Option 1 ID : 4410097241938

Option 2 ID : 4410097241940

Option 3 ID : 4410097241941

Option 4 ID : 4410097241939

Status : Answered

Chosen Option : 2

Q.38 Which safety device is specifically designed to automatically detect and suppress fires in heavy mining machinery, helping to prevent major damage and protect operators?

Ans ☒ 1. Automatic fire suppression system

☒ 2. Emergency shutdown switch

☒ 3. Manual fire extinguisher

☒ 4. Smoke alarm

Question ID : 4410091869380

Option 1 ID : 4410097365053

Option 2 ID : 4410097365054

Option 3 ID : 4410097365051

Option 4 ID : 4410097365052

Status : Answered

Chosen Option : 1

Q.39 When dealing with the danger of water inflow in underground operations, which procedure should always be implemented?

Ans ☒ 1. Install and regularly inspect water barriers or bulkheads

☒ 2. Seal only visible cracks in the wall

☒ 3. Rely only on water level alarms

☒ 4. Use pumps only when water is visible

Question ID : 4410091832366

Option 1 ID : 4410097223474

Option 2 ID : 4410097223477

Option 3 ID : 4410097223475

Option 4 ID : 4410097223476

Status : Answered

Chosen Option : 1

Q.40 Which stoping method is not suitable when the ore body has a steep dip and competent rock mass, but contains sulfide ore and clay in the footwall and hanging wall?

Ans ☒ 1. Cut and fill

☒ 2. Sub level

☒ 3. Vertical crater retreat

☒ 4. Shrinkage

Question ID : 4410091837064

Option 1 ID : 4410097241905

Option 2 ID : 4410097241902

Option 3 ID : 4410097241903

Option 4 ID : 4410097241904

Status : Answered

Chosen Option : 3

Q.41 Why is it important to check gas concentrations before allowing workers to enter a mined area?

- Ans ☒ 1. To prevent theft of equipment
- ☒ 2. To ensure the atmosphere is safe for breathing and working
- ☐ 3. To increase the speed of mining
- ☐ 4. To reduce labor cost

Question ID : 4410091834223
 Option 1 ID : 4410097230773
 Option 2 ID : 4410097230772
 Option 3 ID : 4410097230774
 Option 4 ID : 4410097230775
 Status : Answered
 Chosen Option : 2

Q.42 What is a primary duty of a mining sirdar under the Coal Mines Regulations 2017?

- Ans ☒ 1. To supervise the work of persons employed in a mine section
- ☐ 2. To inspect coal quality
- ☐ 3. To approve mine plans
- ☐ 4. To design mining equipment

Question ID : 4410091834106
 Option 1 ID : 4410097230304
 Option 2 ID : 4410097230307
 Option 3 ID : 4410097230306
 Option 4 ID : 4410097230305
 Status : Answered
 Chosen Option : 1

Q.43 Why is ventilation planning more critical in the longwall mining method than in surface mining?

- Ans ☐ 1. Surface mining recovers more ore per unit area
- ☒ 2. Longwall mining creates extensive underground areas with dust and gases
- ☐ 3. Surface mining uses more diesel equipment
- ☐ 4. Longwall mining uses fewer ventilation fans

Question ID : 4410091829435
 Option 1 ID : 4410097211841
 Option 2 ID : 4410097211840
 Option 3 ID : 4410097211839
 Option 4 ID : 4410097211842
 Status : Answered
 Chosen Option : 2

Q.44 A mining engineer is tasked with increasing the efficiency of material transport in an open-pit mine. Which adjustment to a conveyor belt system is most likely to reduce material spillage and improve operational safety?

- Ans**
- ☒ 1. Increasing the speed of the conveyor belt
 - ☒ 2. Changing the belt material to a more durable type
 - ☒ 3. Installing properly designed skirt boards and belt cleaners
 - ☒ 4. Using a wider belt for the conveyor

Question ID : 4410091850561

Option 1 ID : 4410097294276

Option 2 ID : 4410097294277

Option 3 ID : 4410097294275

Option 4 ID : 4410097294278

Status : Answered

Chosen Option : 3

Q.45 What is the name of the systems provided in the shaft to prevent overspeeding and overwinding?

- Ans**
- ☒ 1. Automatic contrivance
 - ☒ 2. Drum-clutches
 - ☒ 3. Pulley
 - ☒ 4. Keps

Question ID : 4410091854663

Option 1 ID : 4410097309940

Option 2 ID : 4410097309939

Option 3 ID : 4410097309941

Option 4 ID : 4410097309938

Status : Answered

Chosen Option : 1

Q.46 Which scenario would most likely result in a mineral resource being upgraded to a mineral reserve during mine planning?

- Ans**
- ☒ 1. Completion of a detailed feasibility study demonstrating economic viability and legal permission to mine
 - ☒ 2. Change in commodity prices making the deposit attractive
 - ☒ 3. Increasing the density of exploration drill holes within the deposit
 - ☒ 4. Re-estimating the grade using a new sampling technique

Question ID : 4410091849024

Option 1 ID : 4410097288327

Option 2 ID : 4410097288330

Option 3 ID : 4410097288328

Option 4 ID : 4410097288329

Status : Answered

Chosen Option : 1

Q.47 Which of the following is not related to opencast mining?

- Ans
- ☒ 1. Box cut
 - ☒ 2. Stripping ratio
 - ☒ 3. Ore pass
 - ☒ 4. Shovel

Question ID : 4410091854719

Option 1 ID : 4410097310154

Option 2 ID : 4410097310156

Option 3 ID : 4410097310157

Option 4 ID : 4410097310155

Status : Answered

Chosen Option : 3

Q.48 A community garden is situated between a busy highway and an industrial area. To minimize the combined impact of air, soil, and noise pollution, which integrated approach would be most effective?

- Ans
- ☒ 1. Installing decorative benches and hosting weekly community events
 - ☒ 2. Building a small playground and painting murals on nearby walls
 - ☒ 3. Constructing noise barriers, planting pollution-tolerant vegetation, and testing soil regularly
 - ☒ 4. Using only organic fertilizers and organizing monthly clean-up drives

Question ID : 4410091829472

Option 1 ID : 4410097211984

Option 2 ID : 4410097211985

Option 3 ID : 4410097211983

Option 4 ID : 4410097211986

Status : Answered

Chosen Option : 3

Q.49 What is the primary purpose of regularly inspecting haul roads in mines?

- Ans
- ☒ 1. To measure road length
 - ☒ 2. To check mining equipment performance
 - ☒ 3. To record the number of vehicles
 - ☒ 4. To identify and address potential hazards

Question ID : 4410091834266

Option 1 ID : 4410097230947

Option 2 ID : 4410097230945

Option 3 ID : 4410097230946

Option 4 ID : 4410097230944

Status : Answered

Chosen Option : 4

Q.50 What is the main purpose of a reverse alarm on mining equipment?

- Ans
- ☒ 1. To control the speed of the equipment
 - ☒ 2. To track fuel consumption
 - ☒ 3. To alert people nearby when the equipment is moving backwards
 - ☒ 4. To monitor air quality

Question ID : 4410091834538
Option 1 ID : 4410097232022
Option 2 ID : 4410097232023
Option 3 ID : 4410097232020
Option 4 ID : 4410097232021
Status : Answered
Chosen Option : 3

Q.51 Suppose a government wishes to encourage sustainable mineral extraction without discouraging investment. Which approach to mineral taxation is most likely to balance environmental goals with economic incentives for mining companies?

- Ans
- ☒ 1. Imposing a flat high royalty rate
 - ☒ 2. Eliminating all mineral taxes
 - ☒ 3. Applying a sliding-scale royalty that adjusts with profitability levels
 - ☒ 4. Taxing only on export quantity

Question ID : 4410091849044
Option 1 ID : 4410097288408
Option 2 ID : 4410097288409
Option 3 ID : 4410097288407
Option 4 ID : 4410097288410
Status : Answered
Chosen Option : 3

Q.52 Evaluate the scenario: A mine is selecting a power transmission system for underground mobile equipment operating in narrow and confined workings. The system must provide high force output, smooth controllability, low energy loss, and reduced maintenance under heavy-load conditions. Which power system is most suitable for this application?

- Ans
- ☒ 1. Hydraulic power
 - ☒ 2. Pneumatic power
 - ☒ 3. Steam power
 - ☒ 4. Electric power

Question ID : 4410091809054
Option 1 ID : 4410097132506
Option 2 ID : 4410097132505
Option 3 ID : 4410097132508
Option 4 ID : 4410097132507
Status : Answered
Chosen Option : 1

Q.53 How many workman inspectors shall be designated if 500 workers are employed in a mine?

- Ans
- ☐ 1. Four
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. One

Question ID : 4410091855428
Option 1 ID : 4410097312867
Option 2 ID : 4410097312865
Option 3 ID : 4410097312866
Option 4 ID : 4410097312864
Status : Answered
Chosen Option : 3

Q.54 A logistics company must assign drivers to delivery routes to minimize total travel time, while also ensuring that vehicle reliability is maintained. Which integrated approach should be used?

- Ans
- ☐ 1. Use transportation models to minimize fuel and route costs only.
 - ☐ 2. Apply queue optimization to reduce waiting times at depots.
 - ☒ 3. Combine assignment problem techniques with reliability analysis for vehicles.
 - ☐ 4. Focus solely on assignment problem models to allocate drivers.

Question ID : 4410091829487
Option 1 ID : 4410097212046
Option 2 ID : 4410097212045
Option 3 ID : 4410097212043
Option 4 ID : 4410097212044
Status : Answered
Chosen Option : 2

Q.55 What is the primary purpose of development work in an underground coal mine?

- Ans
- ☒ 1. To establish access to coal seams
 - ☐ 2. To extract coal directly
 - ☐ 3. To process mined coal
 - ☐ 4. To monitor safety conditions

Question ID : 4410091834197
Option 1 ID : 4410097230668
Option 2 ID : 4410097230670
Option 3 ID : 4410097230671
Option 4 ID : 4410097230669
Status : Answered
Chosen Option : 1

Q.56 Which of the following statements is incorrect with regard to setting of support?

- Ans** ☒ 1. Every prop shall be set securely on a sound foundation and shall be kept tight against the roof
- ☒ 2. Every ledge and every prominent crack or slip in the roof shall be kept supported with at least a pair of cogs and or cross-bars suitably lagged
- ☒ 3. The lid used over a prop shall have a width less than the diameter of the prop
- ☒ 4. The coggings members shall be not less than 1.2 meters in length

Question ID : 4410091854774

Option 1 ID : 4410097310368

Option 2 ID : 4410097310371

Option 3 ID : 4410097310370

Option 4 ID : 4410097310369

Status : Answered

Chosen Option : 3

Q.57 Which of the following tasks is expected of an authorized blaster in a mining site?

- Ans** ☒ 1. Ensuring the safe storage and use of explosives
- ☒ 2. Operating mining machinery
- ☒ 3. Supervising the entire mine
- ☒ 4. Designing tunnels

Question ID : 4410091834550

Option 1 ID : 4410097232076

Option 2 ID : 4410097232077

Option 3 ID : 4410097232079

Option 4 ID : 4410097232078

Status : Answered

Chosen Option : 1

Q.58 A mining engineer must select a site with a low strip ratio for a new open-pit operation. Which of the following scenario best illustrates the advantage of a low strip ratio?

- Ans** ☒ 1. Less waste material must be moved for each unit of ore, reducing operational costs
- ☒ 2. It shortens the duration of the mining project
- ☒ 3. It guarantees higher mineral recovery during processing
- ☒ 4. It ensures a higher grade of ore is extracted

Question ID : 4410091809114

Option 1 ID : 4410097132747

Option 2 ID : 4410097132748

Option 3 ID : 4410097132746

Option 4 ID : 4410097132745

Status : Answered

Chosen Option : 1

Q.59 A mine worker is found to have missed recent safety training. What should the Safety Manager do according to best practices?

- Ans
- ☐ 1. Only issue a warning to the worker
 - ☐ 2. Update records without arranging training
 - ☒ 3. Schedule the worker for the missed training and update records
 - ☐ 4. Ignore the omission if it is the first time

Question ID : 4410091809131

Option 1 ID : 4410097132815

Option 2 ID : 4410097132816

Option 3 ID : 4410097132813

Option 4 ID : 4410097132814

Status : Answered

Chosen Option : 3

Q.60 If the flame safety lamp's flame elongates while testing in a mine, what does this indicate?

- Ans
- ☒ 1. Presence of methane gas
 - ☐ 2. Electrical fault
 - ☐ 3. Oxygen deficiency
 - ☐ 4. High dust concentration

Question ID : 4410091832385

Option 1 ID : 4410097223550

Option 2 ID : 4410097223553

Option 3 ID : 4410097223551

Option 4 ID : 4410097223552

Status : Answered

Chosen Option : 1

Q.61 When evaluating the effectiveness of fencing around a mine's hazardous zone, which criterion should be assessed first?

- Ans
- ☐ 1. Aesthetic appeal of fencing
 - ☐ 2. Ease of relocation
 - ☒ 3. Ability of the fencing to prevent unauthorized or accidental entry
 - ☐ 4. Cost of installation

Question ID : 4410091865547

Option 1 ID : 4410097351370

Option 2 ID : 4410097351371

Option 3 ID : 4410097351369

Option 4 ID : 4410097351372

Status : Answered

Chosen Option : 3

Q.62 A blasting operation requires precise control over the timing of detonations to minimize ground vibration. Which device is most appropriate?

- Ans ☒ 1. Safety fuse
- ☒ 2. Electronic detonator
- ☒ 3. Cord relay
- ☒ 4. Plain detonator

Question ID : 4410091829386
Option 1 ID : 4410097211645
Option 2 ID : 4410097211647
Option 3 ID : 4410097211646
Option 4 ID : 4410097211648
Status : Answered
Chosen Option : 2

Q.63 What will be the number of haul units required to keep the loading unit busy if the cycle time of a haul unit is 20 minutes, spot time at loader is 2 minutes and loading time of haul unit is 2 minutes?

- Ans ☒ 1. 8
- ☒ 2. 4
- ☒ 3. 5
- ☒ 4. 10

Question ID : 4410091837078
Option 1 ID : 4410097241959
Option 2 ID : 4410097241961
Option 3 ID : 4410097241960
Option 4 ID : 4410097241958
Status : Answered
Chosen Option : 4

Q.64 Which advantage is most commonly associated with continuous surface mining systems compared to conventional truck-and-shovel methods?

- Ans ☒ 1. Greater dependency on truck fleets
- ☒ 2. Reduced need for intermediate material handling
- ☒ 3. Higher selectivity of ore
- ☒ 4. Increased blasting requirements

Question ID : 4410091832057
Option 1 ID : 4410097222276
Option 2 ID : 4410097222275
Option 3 ID : 4410097222278
Option 4 ID : 4410097222277
Status : Answered
Chosen Option : 2

Q.65 Which of the following is an incorrect statement with respect to stripping ratio?

- Ans** ☒ 1. The maximum allowable stripping ratio is significant because it is purely economic ratio and determines the pit limit at current economic scenario
- ☒ 2. Increasing stripping ratio method produces low cash-flow in the initial period and covers the risk
- ☒ 3. The cut-off stripping ratio is the one for which the costs of mining the ore and waste are matched by the revenue from that block of ore
- ☒ 4. The Instantaneous Stripping Ratio is the stripping ratio for a given push back, where a tiny slice of material, i.e. ore and or waste, is removed from a pit wall

Question ID : 4410091839849

Option 1 ID : 4410097252903

Option 2 ID : 4410097252902

Option 3 ID : 4410097252900

Option 4 ID : 4410097252901

Status : Answered

Chosen Option : 2

Q.66 A coal seam with complex geological disturbances and irregular boundaries may require an adaptable extraction method. Among the alternatives to Bord and Pillar, which method is generally less suited for such conditions due to its need for predictable seam geometry?

- Ans** ☒ 1. Longwall mining
- ☒ 2. Auger mining
- ☒ 3. Shortwall mining
- ☒ 4. Open cast mining

Question ID : 4410091864003

Option 1 ID : 4410097345789

Option 2 ID : 4410097345791

Option 3 ID : 4410097345790

Option 4 ID : 4410097345792

Status : Answered

Chosen Option : 1

Q.67 A mine manager must evaluate emergency preparedness for dust and inundation hazards. Which practice best ensures rapid response and minimizes harm during an unexpected event?

- Ans** ☒ 1. Posting warning signs near hazardous zones
- ☒ 2. Conducting regular emergency drills and maintaining updated hazard response protocols
- ☒ 3. Providing personal protective equipment
- ☒ 4. Installing automatic hazard alarms

Question ID : 4410091860242

Option 1 ID : 4410097331483

Option 2 ID : 4410097331484

Option 3 ID : 4410097331485

Option 4 ID : 4410097331486

Status : Answered

Chosen Option : 2

Q.68 The Fan characteristic curve is basically a plot between:

- Ans ☒ 1. Pressure and quantity
☐ 2. Pressure and power
☐ 3. Pressure and efficiency
☐ 4. Quantity and efficiency

Question ID : 4410091837054
Option 1 ID : 4410097241864
Option 2 ID : 4410097241862
Option 3 ID : 4410097241863
Option 4 ID : 4410097241865
Status : Answered
Chosen Option : 1

Q.69 If a sudden fire breaks out in an underground coal mine, which characteristic of the mine ventilation system becomes most critical for planning the immediate evacuation of miners?

- Ans ☐ 1. The presence of airborne dust
☐ 2. The relative humidity of the mine
☐ 3. The temperature of the mine air
☒ 4. The direction and speed of airflow

Question ID : 4410091849891
Option 1 ID : 4410097291648
Option 2 ID : 4410097291647
Option 3 ID : 4410097291645
Option 4 ID : 4410097291646
Status : Answered
Chosen Option : 4

Q.70 Which is the correct burning speed of a safety fuse?

- Ans ☐ 1. 1000 to 1200 Meters per second
☒ 2. 100 to 120 Seconds per Meter
☐ 3. 1000 to 1200 Seconds per Meter
☐ 4. 100 to 120 Meters per second

Question ID : 4410091855419
Option 1 ID : 4410097312831
Option 2 ID : 4410097312828
Option 3 ID : 4410097312830
Option 4 ID : 4410097312829
Status : Answered
Chosen Option : 4

Q.71 In a scenario where blasting must occur near a hospital, which combination of safety measures should be implemented to ensure maximum safety?

- Ans
- ☐ 1. Implement only exclusion zones
 - ☐ 2. Use controlled blasting and signaling protocols only
 - ☐ 3. Maintain exclusion zones and reduce explosive quantity only
 - ☒ 4. Use controlled blasting, maintain strict exclusion zones, and follow all signaling protocols

Question ID : 4410091809246
Option 1 ID : 4410097133273
Option 2 ID : 4410097133274
Option 3 ID : 4410097133275
Option 4 ID : 4410097133276
Status : Answered
Chosen Option : 4

Q.72 A mining supervisor is preparing a schedule for periodic hazard identification. Which scheduling approach aligns best with the principles of an effective Safety Management Plan?

- Ans
- ☐ 1. Once per year regardless of operations
 - ☒ 2. Aligning inspections with changes in operations and at regular intervals
 - ☐ 3. Only after reported incidents
 - ☐ 4. When requested by workers

Question ID : 4410091862391
Option 1 ID : 4410097339811
Option 2 ID : 4410097339813
Option 3 ID : 4410097339810
Option 4 ID : 4410097339812
Status : Answered
Chosen Option : 2

Q.73 During underground surveying, a team notes that their compass readings are consistently off by a small angle after passing through an area with heavy electrical equipment. Which error is most likely affecting their results, and what should be the primary step to mitigate it?

- Ans
- ☐ 1. Personal error; assign a different observer
 - ☐ 2. Random error; increase instrument sensitivity
 - ☒ 3. Local attraction error; determine and apply corrections based on affected stations
 - ☐ 4. Instrumental error; recalibrate the compass

Question ID : 4410091847891
Option 1 ID : 4410097283858
Option 2 ID : 4410097283856
Option 3 ID : 4410097283857
Option 4 ID : 4410097283859
Status : Answered
Chosen Option : 4

Q.74 What is the primary purpose of a first aid station in underground mining?

- Ans
- ☐ 1. To store mining equipment
 - ☐ 2. To monitor air quality
 - ☐ 3. To train workers in mining techniques
 - ☒ 4. To provide immediate medical assistance for injured workers

Question ID : 4410091834403

Option 1 ID : 4410097231488

Option 2 ID : 4410097231490

Option 3 ID : 4410097231491

Option 4 ID : 4410097231489

Status : Answered

Chosen Option : 4

Q.75 A chain conveyor used in underground mines transmits mechanical power from a drive unit to the conveyor chain. Which element is essential for ensuring continuous power transmission despite minor misalignments or vibrations in the system?

- Ans
- ☐ 1. Sprocket
 - ☐ 2. Idler roller
 - ☒ 3. Flexible coupling
 - ☐ 4. Rigid coupling

Question ID : 4410091850510

Option 1 ID : 4410097294073

Option 2 ID : 4410097294074

Option 3 ID : 4410097294071

Option 4 ID : 4410097294072

Status : Answered

Chosen Option : 2

Q.76 A ventilation planner wants to minimize energy usage while maintaining airflow. Which approach should be evaluated?

- Ans
- ☐ 1. Close less-used airways permanently
 - ☒ 2. Use variable speed fans adjusted to demand
 - ☐ 3. Install additional fixed speed fans
 - ☐ 4. Increase main fan power continuously

Question ID : 4410091809010

Option 1 ID : 4410097132331

Option 2 ID : 4410097132329

Option 3 ID : 4410097132330

Option 4 ID : 4410097132332

Status : Answered

Chosen Option : 2

Q.77 A mining engineer is tasked with improving HEMM haulage safety after a near-miss incident involving blind spots at an intersection. Which protocol would best address this hazard?

- Ans
- ☐ 1. Switching HEMM operation to night shifts
 - ☐ 2. Assigning more operators to the intersection
 - ☒ 3. Installation of convex mirrors at intersections to improve visibility
 - ☐ 4. Reducing the payload of dumpers

Question ID : 4410091869837

Option 1 ID : 4410097366918

Option 2 ID : 4410097366916

Option 3 ID : 4410097366915

Option 4 ID : 4410097366917

Status : Answered

Chosen Option : 3

Q.78 A project manager is analyzing a network diagram for a mining infrastructure upgrade. Which of the following activities should receive the most attention to avoid project delays?

- Ans
- ☐ 1. Activities with the least float
 - ☒ 2. Activities on the critical path
 - ☐ 3. Activities with the highest cost
 - ☐ 4. Activities that are resource-intensive

Question ID : 4410091859624

Option 1 ID : 4410097329056

Option 2 ID : 4410097329057

Option 3 ID : 4410097329058

Option 4 ID : 4410097329059

Status : Answered

Chosen Option : 2

Q.79 Who is responsible for effective implementation of the Safety Management Plan in the mine?

- Ans
- ☐ 1. Blaster
 - ☐ 2. Mine Inspector
 - ☒ 3. Manager
 - ☐ 4. Worker

Question ID : 4410091854590

Option 1 ID : 4410097309675

Option 2 ID : 4410097309677

Option 3 ID : 4410097309674

Option 4 ID : 4410097309676

Status : Answered

Chosen Option : 3

Q.80 When interpreting the results of a work-study in mine planning, which action ensures continuous improvement?

- Ans
- ☒ 1. Ignoring worker feedback after changes
 - ☒ 2. Reporting findings without action
 - ☒ 3. Setting new targets without monitoring
 - ☒ 4. Implementing changes and monitoring outcomes for further adjustments

Question ID : 4410091829415
 Option 1 ID : 4410097211760
 Option 2 ID : 4410097211758
 Option 3 ID : 4410097211759
 Option 4 ID : 4410097211757
 Status : Answered
 Chosen Option : 4

Section : Part B Knowledge regarding CIL SECL State

Q.1 Which activity of Coal India Limited directly enhances coal quality through value addition?

- Ans
- ☒ 1. Coal beneficiation through washeries
 - ☒ 2. Retail electricity distribution
 - ☒ 3. Export of crude petroleum
 - ☒ 4. Manufacturing of steel products

Question ID : 4410091859892
 Option 1 ID : 4410097330119
 Option 2 ID : 4410097330121
 Option 3 ID : 4410097330118
 Option 4 ID : 4410097330120
 Status : Answered
 Chosen Option : 1

Q.2 Which of the following best describes a primary economic activity of South Eastern Coalfields Limited (SECL)?

- Ans
- ☒ 1. Producing and supplying coal
 - ☒ 2. Manufacturing steel products
 - ☒ 3. Generating hydroelectric power
 - ☒ 4. Exporting petroleum products

Question ID : 4410091860364
 Option 1 ID : 4410097331980
 Option 2 ID : 4410097331981
 Option 3 ID : 4410097331979
 Option 4 ID : 4410097331982
 Status : Answered
 Chosen Option : 1

Q.3 Which constitutional provision empowered Parliament to alter the boundaries and reorganise states, leading to the formation of Madhya Pradesh in its present form?

- Ans**
- ☒ 1. Article 19
 - ☒ 2. Article 32
 - ☒ 3. Article 14
 - ☒ 4. Article 3

Question ID : 4410091862515
Option 1 ID : 4410097340299
Option 2 ID : 4410097340301
Option 3 ID : 4410097340298
Option 4 ID : 4410097340300
Status : Answered
Chosen Option : 4

Q.4 South Eastern Coalfields Limited (SECL) primarily operates coal mines across which of the following states?

- Ans**
- ☒ 1. Chhattisgarh and Madhya Pradesh
 - ☒ 2. Odisha and West Bengal
 - ☒ 3. Jharkhand and Bihar
 - ☒ 4. Maharashtra and Telangana

Question ID : 4410091860313
Option 1 ID : 4410097331769
Option 2 ID : 4410097331767
Option 3 ID : 4410097331768
Option 4 ID : 4410097331770
Status : Answered
Chosen Option : 1

Q.5 Which of the following correctly defines the constitutional status of Chhattisgarh?

- Ans**
- ☒ 1. It is a Union Territory governed directly by the President
 - ☒ 2. It is an autonomous region under the Sixth Schedule of the Constitution
 - ☒ 3. It is a state formed under the Madhya Pradesh Reorganisation Act, 2000
 - ☒ 4. It is a centrally administered region without an elected legislature

Question ID : 4410091863144
Option 1 ID : 4410097342770
Option 2 ID : 4410097342772
Option 3 ID : 4410097342771
Option 4 ID : 4410097342773
Status : Answered
Chosen Option : 3

Q.6 Under the R&D scheme of Coal India Limited, which of the following is a recognised thrust area?

- Ans**
- ☒ 1. Fashion design and apparel innovation sectors
 - ☒ 2. Cryptocurrency and blockchain development systems
 - ☒ 3. Production, safety, and environmental protection
 - ☒ 4. International tourism and hospitality expansion

Question ID : 4410091860223
Option 1 ID : 4410097331410
Option 2 ID : 4410097331409
Option 3 ID : 4410097331407
Option 4 ID : 4410097331408
Status : Answered
Chosen Option : 3

Q.7 Which of the following best describes the climate of Chhattisgarh?

- Ans**
- ☒ 1. Temperate climate with cold winters and uniform rainfall
 - ☒ 2. Desert climate with very low annual rainfall
 - ☒ 3. Tropical monsoon climate with hot summers and seasonal rainfall
 - ☒ 4. Alpine climate with snowfall throughout the year

Question ID : 4410091862935
Option 1 ID : 4410097341943
Option 2 ID : 4410097341944
Option 3 ID : 4410097341942
Option 4 ID : 4410097341945
Status : Answered
Chosen Option : 3

Q.8 Which major development in India's coal sector led to the eventual formation of Coal India Limited in 1975?

- Ans**
- ☒ 1. Liberalisation of commercial coal mining for private companies
 - ☒ 2. Establishment of the Ministry of Power under the Government of India
 - ☒ 3. Discovery of coal reserves in Jharkhand after Independence
 - ☒ 4. Nationalisation of coal mines by the Government of India

Question ID : 4410091859798
Option 1 ID : 4410097329746
Option 2 ID : 4410097329749
Option 3 ID : 4410097329748
Option 4 ID : 4410097329747
Status : Answered
Chosen Option : 4

Q.9 In Madhya Pradesh, shifting cultivation is locally known by which of the following names?

- Ans** ☒ 1. Bewar or Dahiya
☒ 2. Khadin or Zabo
☒ 3. Jhum or Podu
☒ 4. Panikheti or Bagar

Question ID : 4410091862848
 Option 1 ID : 4410097341599
 Option 2 ID : 4410097341600
 Option 3 ID : 4410097341598
 Option 4 ID : 4410097341601
 Status : Answered
 Chosen Option : 2

Q.10 The contribution of Madhya Pradesh to the militant nationalist phase of the Indian freedom struggle is best exemplified by the activities of Chandrashekhar Azad, who was associated with which of the following organisations?

- Ans** ☒ 1. Hindustan Socialist Republican Association
☒ 2. Indian National Congress
☒ 3. All Indian Muslim League
☒ 4. Ghadar Party

Question ID : 4410091862585
 Option 1 ID : 4410097340579
 Option 2 ID : 4410097340578
 Option 3 ID : 4410097340580
 Option 4 ID : 4410097340581
 Status : Answered
 Chosen Option : 1

Section : Part B General Awareness

Q.1 If $2(\text{A's capital}) = 3(\text{B's capital}) = 5(\text{C's capital})$, then out of a profit of ₹9,300, what will B receive?

- Ans** ☒ 1. ₹3,000
☒ 2. ₹2,800
☒ 3. ₹3,200
☒ 4. ₹3,400

Question ID : 441009335165
 Option 1 ID : 4410091306602
 Option 2 ID : 4410091306605
 Option 3 ID : 4410091306603
 Option 4 ID : 4410091306604
 Status : Answered
 Chosen Option : 1

Q.2 Who among the following were associated with the Anushilan Samiti, a revolutionary organisation formed in the early 20th century?

- Ans ☒ 1. Satish Chandra Bose, Pramathanath Mitra and Bipin Chandra Pal
☐ 2. Aurobindo Ghosh, Syama Prasad Mookerjee and Rabindranath Tagore
☐ 3. Nandalal Bose, Jibanananda Das and Buddhadeva Bose
☐ 4. Abanindranath Tagore, Shakti Chattopadhyay and Chittaranjan Das

Question ID : 441009801204

Option 1 ID : 4410093158917

Option 2 ID : 4410093158918

Option 3 ID : 4410093158919

Option 4 ID : 4410093158920

Status : Answered

Chosen Option : 2

Q.3 Which of the following natural calamities struck the Andaman and Nicobar Islands in December 2004?

- Ans ☐ 1. Flood
☒ 2. Tsunami
☐ 3. Cyclone
☐ 4. Earthquake

Question ID : 441009800153

Option 1 ID : 4410093154704

Option 2 ID : 4410093154702

Option 3 ID : 4410093154701

Option 4 ID : 4410093154703

Status : Answered

Chosen Option : 2

Q.4 A car travels equal distances at speeds proportional to 8:9:12. If the average speed of the car is 54 km/h, find the difference between the largest and the smallest speeds of the car.

- Ans ☐ 1. 21 km/h
☒ 2. 23 km/h
☐ 3. 29 km/h
☐ 4. 27 km/h

Question ID : 4410091848334

Option 1 ID : 4410097285600

Option 2 ID : 4410097285601

Option 3 ID : 4410097285603

Option 4 ID : 4410097285602

Status : Answered

Chosen Option : 2

Q.5 Find the simple interest (in ₹) on ₹2000 at 5.75% per annum rate of interest for the period from 12 February 2023 to 26 April 2023.

- Ans ☒ 1. 24
☒ 2. 23
☒ 3. 22
☒ 4. 21

Question ID : 4410091107627
Option 1 ID : 4410094367504
Option 2 ID : 4410094367502
Option 3 ID : 4410094367503
Option 4 ID : 4410094367505
Status : Answered
Chosen Option : 3

Q.6 Which of the following acts played a key role in shaping the framework of the Indian Constitution by introducing representative government in provinces before independence?

- Ans ☒ 1. Government of India Act, 1935
☒ 2. Regulating Act, 1773
☒ 3. Indian Councils Act, 1909
☒ 4. Rowlatt Act, 1919

Question ID : 4410091859747
Option 1 ID : 4410097329548
Option 2 ID : 4410097329551
Option 3 ID : 4410097329549
Option 4 ID : 4410097329550
Status : Answered
Chosen Option : 1

Q.7 By how much is 60% of 50 greater than $\frac{1}{5}$ of 15?

- Ans ☒ 1. 24
☒ 2. 27
☒ 3. 21
☒ 4. 25

Question ID : 441009173332
Option 1 ID : 441009685833
Option 2 ID : 441009685832
Option 3 ID : 441009685834
Option 4 ID : 441009685835
Status : Answered
Chosen Option : 2

Q.8 Who among the following conferred the 'Startup Maharathi' Awards on the concluding day of Startup Mahakumbh 2025 in New Delhi?

- Ans ☒ 1. Piyush Goyal
☐ 2. G. Kishan Reddy
☐ 3. Jitan Ram Manjhi
☐ 4. Amit Shah

Question ID : 441009803064
Option 1 ID : 4410093166376
Option 2 ID : 4410093166377
Option 3 ID : 4410093166374
Option 4 ID : 4410093166375
Status : Answered
Chosen Option : 1

Q.9 Rakesh does 60% of work in 10 days. He then calls in Trupti and they together finish the remaining work in 5 days. How long would Trupti alone take to do the whole work?

- Ans ☐ 1. 51 days
☒ 2. 50 days
☐ 3. 52 days
☐ 4. 55 days

Question ID : 4410091156318
Option 1 ID : 4410094559989
Option 2 ID : 4410094559988
Option 3 ID : 4410094559990
Option 4 ID : 4410094559991
Status : Answered
Chosen Option : 2

Q.10 Which quantity represents the product of mass and velocity of a moving object?

- Ans ☐ 1. Force
☐ 2. Acceleration
☒ 3. Momentum
☐ 4. Work

Question ID : 4410091536624
Option 1 ID : 4410096069692
Option 2 ID : 4410096069693
Option 3 ID : 4410096069694
Option 4 ID : 4410096069695
Status : Answered
Chosen Option : 3