

BHEL Artisan

**Previous Year Paper
(Foundryman)
08 Oct, 2025**



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BHARAT HEAVY ELECTRICALS LIMITED ARTISAN RECRUITMENT - 2025

Participant ID	
Participant Name	
Test Center Name	
Test Date	08/10/2025
Test Time	2:00 PM - 3:30 PM
Subject	Foundryman

Section : Trade Theory

Q.1 In which of the following furnaces is a belt used for placing and moving the component inside the furnace?

- Ans ☒ A. Rotary hearth furnace
☒ B. Conveyor furnace
☒ C. Rotary furnace
☒ D. Tunnel furnace

Question ID : 4410091258306
Option 1 ID : 4410094966061
Option 2 ID : 4410094966062
Option 3 ID : 4410094966063
Option 4 ID : 4410094966060

Status : Answered

Chosen Option : B

Q.2 In CO₂ moulding, when CO₂ is passed through sodium silicate bonded sand, what compound is initially formed that starts the gelling reaction?

- Ans ☒ A. Sodium hydroxide
☒ B. Amorphous silica gel
☒ C. Hydrated sodium carbonate
☒ D. Sodium sulphate

Question ID : 4410091256618
Option 1 ID : 4410094959372
Option 2 ID : 4410094959371
Option 3 ID : 4410094959369
Option 4 ID : 4410094959370

Status : Answered

Chosen Option : C

Q.3 Bench moulding is classified under:

- Ans ☒ A. permanent moulding
- ☒ B. hand moulding
- ☒ C. floor moulding
- ☒ D. machine moulding

Question ID : 4410091249590
Option 1 ID : 4410094931526
Option 2 ID : 4410094931524
Option 3 ID : 4410094931525
Option 4 ID : 4410094931523
Status : Answered
Chosen Option : B

Q.4 What is the main purpose of a refractory mould coating?

- Ans ☒ A. To increase the mould weight and aid in solidification
- ☒ B. To prevent metal penetration into the mould
- ☒ C. To make the mould soft
- ☒ D. To make the mould colorful and provide strength

Question ID : 4410091275717
Option 1 ID : 4410095034863
Option 2 ID : 4410095034862
Option 3 ID : 4410095034864
Option 4 ID : 4410095034861
Status : Answered
Chosen Option : B

Q.5 Which marking tool in a foundry is used to draw lines on a pattern or mould surface?

- Ans ☒ A. Slick
- ☒ B. Trowel
- ☒ C. Rapping bar
- ☒ D. Scriber

Question ID : 4410091246820
Option 1 ID : 4410094920521
Option 2 ID : 4410094920523
Option 3 ID : 4410094920524
Option 4 ID : 4410094920522
Status : Answered
Chosen Option : C

Q.6 Which phases are produced during the eutectoid transformation?

- Ans ☒ A. Bainite and Martensite
- ☒ B. Ferrite and Martensite
- ☒ C. Ferrite and Cementite
- ☒ D. Austenite and Cementite

Question ID : 4410091258328
Option 1 ID : 4410094966151
Option 2 ID : 4410094966149
Option 3 ID : 4410094966150
Option 4 ID : 4410094966148
Status : Answered
Chosen Option : B

Q.7 The most commonly used moulding sand in foundries is:

- Ans ☒ A. core sand
☒ B. green sand
☒ C. dry sand
☒ D. loam sand

Question ID : 4410091249034
 Option 1 ID : 4410094929326
 Option 2 ID : 4410094929323
 Option 3 ID : 4410094929324
 Option 4 ID : 4410094929325
 Status : Answered
 Chosen Option : B

Q.8 Which ingredient of moulding sand provides plasticity when water is added?

- Ans ☒ A. Additives
☒ B. Silica
☒ C. Clay
☒ D. Iron oxide

Question ID : 4410091249027
 Option 1 ID : 4410094929297
 Option 2 ID : 4410094929295
 Option 3 ID : 4410094929296
 Option 4 ID : 4410094929298
 Status : Answered
 Chosen Option : C

Q.9 Which of the following is a non-ferrous metal?

- Ans ☒ A. Cast iron
☒ B. Mild steel
☒ C. Copper
☒ D. Wrought iron

Question ID : 4410091244952
 Option 1 ID : 4410094913085
 Option 2 ID : 4410094913086
 Option 3 ID : 4410094913087
 Option 4 ID : 4410094913088
 Status : Answered
 Chosen Option : C

Q.10 Which foundry uses metallic moulds?

- Ans ☒ A. Dry sand moulding
☒ B. Die casting foundry
☒ C. Investment casting foundry
☒ D. Sand casting foundry

Question ID : 4410091271362
 Option 1 ID : 4410095017429
 Option 2 ID : 4410095017427
 Option 3 ID : 4410095017428
 Option 4 ID : 4410095017426
 Status : Answered
 Chosen Option : B

Q.11 The process of shaking moulding sand through different mesh sieves stacked together is called:

- Ans ☒ A. riddling
☒ B. blending
☒ C. tempering
☒ D. grain bonding

Question ID : 4410091247122
Option 1 ID : 4410094921726
Option 2 ID : 4410094921727
Option 3 ID : 4410094921728
Option 4 ID : 4410094921725
Status : Answered
Chosen Option : A

Q.12 Rough cleaning of casting includes:

- Ans ☒ A. surface cleaning of casting
☒ B. finishing
☒ C. removal of gates and riser
☒ D. trimming

Question ID : 4410091275725
Option 1 ID : 4410095034894
Option 2 ID : 4410095034896
Option 3 ID : 4410095034893
Option 4 ID : 4410095034895
Status : Answered
Chosen Option : C

Q.13 A quality assurance section organises its staff and maintains records and documents pertaining to each stage of the process till the:

- Ans ☒ A. inspection is complete
☒ B. creation of a gating system
☒ C. final product is dispatched
☒ D. finishing operation complete

Question ID : 4410091272734
Option 1 ID : 4410095022949
Option 2 ID : 4410095022948
Option 3 ID : 4410095022951
Option 4 ID : 4410095022950
Status : Answered
Chosen Option : C

Q.14 Why is the sprue in a gating system made tapered instead of cylindrical?

- Ans ☒ A. To promote ideal temperature distribution
☒ B. To reduce the contamination
☒ C. To eliminate the problem of slow solidification
☒ D. To eliminate the problem of air aspiration

Question ID : 4410091250407
Option 1 ID : 4410094934796
Option 2 ID : 4410094934795
Option 3 ID : 4410094934794
Option 4 ID : 4410094934793
Status : Answered
Chosen Option : A

Q.15 How many doors are present for loading and removal of the work pieces in a box-type batch furnace?

- Ans ☒ A. No doors, the furnace is open
☒ B. One
☒ C. Two
☒ D. Three

Question ID : 4410091258298
 Option 1 ID : 4410094966031
 Option 2 ID : 4410094966029
 Option 3 ID : 4410094966028
 Option 4 ID : 4410094966030
 Status : Answered
 Chosen Option : C

Q.16 In normalising, how is the material cooled?

- Ans ☒ A. Slow cooling in still air
☒ B. Rapid cooling using a water bath
☒ C. Cooling with oil bath
☒ D. Cooling inside the furnace

Question ID : 4410091258287
 Option 1 ID : 4410094965984
 Option 2 ID : 4410094965985
 Option 3 ID : 4410094965986
 Option 4 ID : 4410094965987
 Status : Answered
 Chosen Option : A

Q.17 What is the point where liquid transforms directly into two solid phases?

- Ans ☒ A. Peritectic point
☒ B. Triple point
☒ C. Critical point
☒ D. Eutectic point

Question ID : 4410091258316
 Option 1 ID : 4410094966100
 Option 2 ID : 4410094966102
 Option 3 ID : 4410094966101
 Option 4 ID : 4410094966103
 Status : Answered
 Chosen Option : A

Q.18 The property of moulding sand that ensures it retains shape after removal of the pattern is due to its:

- Ans ☒ A. green strength
☒ B. hot strength
☒ C. adhesiveness
☒ D. dry strength

Question ID : 4410091249109
 Option 1 ID : 4410094929615
 Option 2 ID : 4410094929618
 Option 3 ID : 4410094929617
 Option 4 ID : 4410094929616
 Status : Answered
 Chosen Option : A

Q.19 The term 'dry-sand mould' in casting refers to which of the following?

- Ans ☒ A. A mould that is made without using sand
☒ B. A mould that is cooled using water
☒ C. A mould that is dried completely before pouring
☒ D. A mould that has no binder and dries quickly

Question ID : 4410091275731
 Option 1 ID : 4410095034919
 Option 2 ID : 4410095034920
 Option 3 ID : 4410095034918
 Option 4 ID : 4410095034917
 Status : Answered
 Chosen Option : C

Q.20 Which classification of non-ferrous metals does brass represent?

- Ans ☒ A. Heavy metal
☒ B. Pure metal
☒ C. Ferrous alloy
☒ D. Copper alloy

Question ID : 4410091244977
 Option 1 ID : 4410094913188
 Option 2 ID : 4410094913185
 Option 3 ID : 4410094913186
 Option 4 ID : 4410094913187
 Status : Answered
 Chosen Option : D

Q.21 What is the aim of quality control?

- Ans ☒ A. To ensure that only products of acceptable quality proceed to the next stage
☒ B. To speed up the melting and pouring process for good quality casting
☒ C. To minimise the use of raw materials regardless of quality
☒ D. To reduce the weight of castings through design changes

Question ID : 4410091272822
 Option 1 ID : 4410095023304
 Option 2 ID : 4410095023306
 Option 3 ID : 4410095023307
 Option 4 ID : 4410095023305
 Status : Answered
 Chosen Option : A

Q.22 The CO₂ moulding process is especially useful for producing:

- Ans ☒ A. forged components with high accuracy
☒ B. heavily cored machine parts with high accuracy
☒ C. plastic moulds with high precision
☒ D. thin sheet components

Question ID : 4410091256740
 Option 1 ID : 4410094959840
 Option 2 ID : 4410094959838
 Option 3 ID : 4410094959839
 Option 4 ID : 4410094959837
 Status : Answered
 Chosen Option : B

Q.23 Why does aluminium resist corrosion naturally?

- Ans ☒ A. It does not react with water.
- ☒ B. It forms a strong oxide film.
- ☒ C. It is lighter than metals.
- ☒ D. It is chemically very stable.

Question ID : 4410091245047
Option 1 ID : 4410094913467
Option 2 ID : 4410094913466
Option 3 ID : 4410094913468
Option 4 ID : 4410094913465
Status : Answered
Chosen Option : C

Q.24 Which furnace is used for heat treating metals and alloys?

- Ans ☒ A. Oil-fired furnace
- ☒ B. Resistance furnace
- ☒ C. Gas-fired furnace
- ☒ D. Liquid-fired furnace

Question ID : 4410091258314
Option 1 ID : 4410094966093
Option 2 ID : 4410094966092
Option 3 ID : 4410094966094
Option 4 ID : 4410094966095
Status : Answered
Chosen Option : B

Q.25 In annealing, how is the cooling of the material done?

- Ans ☒ A. No cooling required
- ☒ B. Slow cooling in furnace
- ☒ C. Rapid cooling in water
- ☒ D. Cooling with oil

Question ID : 4410091258285
Option 1 ID : 4410094965979
Option 2 ID : 4410094965976
Option 3 ID : 4410094965977
Option 4 ID : 4410094965978
Status : Answered
Chosen Option : C

Q.26 What is the primary purpose of annealing?

- Ans ☒ A. To increase hardness
- ☒ B. To increase brittleness
- ☒ C. To improve surface finish
- ☒ D. To relieve internal stresses

Question ID : 4410091258284
Option 1 ID : 4410094965972
Option 2 ID : 4410094965975
Option 3 ID : 4410094965974
Option 4 ID : 4410094965973
Status : Answered
Chosen Option : D

Q.27 Nickel is classified as a:

- Ans ☒ A. heavy non-ferrous metal
- ☒ B. refractory metal
- ☒ C. light non-ferrous metal
- ☒ D. precious metal

Question ID : 4410091244981
Option 1 ID : 4410094913201
Option 2 ID : 4410094913203
Option 3 ID : 4410094913202
Option 4 ID : 4410094913204
Status : Answered
Chosen Option : A

Q.28 Which type of pattern is made in two halves for easy removal from the mould?

- Ans ☒ A. Split pattern
- ☒ B. Solid pattern
- ☒ C. Skeleton pattern
- ☒ D. Loose piece pattern

Question ID : 4410091246852
Option 1 ID : 4410094920642
Option 2 ID : 4410094920641
Option 3 ID : 4410094920644
Option 4 ID : 4410094920643
Status : Answered
Chosen Option : A

Q.29 Carbon dioxide moulding process is commonly used to produce which of the following?

- Ans ☒ A. Rolled plates
- ☒ B. Die-cast components
- ☒ C. Hollow cores
- ☒ D. Forged billets

Question ID : 4410091275707
Option 1 ID : 4410095034827
Option 2 ID : 4410095034828
Option 3 ID : 4410095034825
Option 4 ID : 4410095034826
Status : Answered
Chosen Option : C

Q.30 Which shape of sand grains gives high permeability but poor surface finish?

- Ans ☒ A. Rounded
- ☒ B. Sub-angular
- ☒ C. Mixed
- ☒ D. Angular

Question ID : 4410091249046
Option 1 ID : 4410094929371
Option 2 ID : 4410094929372
Option 3 ID : 4410094929374
Option 4 ID : 4410094929373
Status : Answered
Chosen Option : A

Q.31 The melting point of pure zinc is approximately:

- Ans ☒ A. 327°C
☒ B. 660°C
☒ C. 1085°C
☒ D. 420°C

Question ID : 4410091246801
 Option 1 ID : 4410094920448
 Option 2 ID : 4410094920445
 Option 3 ID : 4410094920447
 Option 4 ID : 4410094920446
 Status : Answered
 Chosen Option : D

Q.32 What is the main purpose of a pouring basin?

- Ans ☒ A. To improve the strength of mould cavity surface equally
☒ B. To control the size and direction of the solidification front
☒ C. To help maintain the required rate of liquid metal flow
☒ D. To increase the temperature of molten metal uniformly

Question ID : 4410091283448
 Option 1 ID : 4410095065459
 Option 2 ID : 4410095065461
 Option 3 ID : 4410095065458
 Option 4 ID : 4410095065460
 Status : Answered
 Chosen Option : D

Q.33 The basic composition of core sand is:

- Ans ☒ A. Sand + Cement + Lime
☒ B. Sand + Clay + Water
☒ C. Sand + Graphite + Water
☒ D. Sand + Binder (oil/resin) + Additives

Question ID : 4410091249073
 Option 1 ID : 4410094929477
 Option 2 ID : 4410094929475
 Option 3 ID : 4410094929478
 Option 4 ID : 4410094929476
 Status : Answered
 Chosen Option : B

Q.34 Which of the following tools is/are used to remove the core from the casting?

- Ans ☒ A. Scrubbers
☒ B. Feeders
☒ C. Air chisel
☒ D. Chills

Question ID : 4410091275721
 Option 1 ID : 4410095034877
 Option 2 ID : 4410095034880
 Option 3 ID : 4410095034878
 Option 4 ID : 4410095034879
 Status : Answered
 Chosen Option : C

Q.35 What is a common material used for patterns in hand-operated moulding machines?

- Ans ☒ A. Steel
☒ B. Wood
☒ C. Rubber
☒ D. Plastic

Question ID : 4410091249648
 Option 1 ID : 4410094931755
 Option 2 ID : 4410094931756
 Option 3 ID : 4410094931758
 Option 4 ID : 4410094931757
 Status : Answered
 Chosen Option : A

Q.36 The equipment commonly used for grinding, mixing and tempering of moulding sand is called:

- Ans ☒ A. Sand Pulverizer
☒ B. Sand Muller
☒ C. Sand Mixer
☒ D. Sand Grinder

Question ID : 4410091249120
 Option 1 ID : 4410094929659
 Option 2 ID : 4410094929660
 Option 3 ID : 4410094929662
 Option 4 ID : 4410094929661
 Status : Answered
 Chosen Option : A

Q.37 Directional solidification can be ensured by:

- Ans ☒ A. using risers of optimum size and shape
☒ B. increasing turbulence during pouring
☒ C. reducing the mould cavity volume
☒ D. placing core in the mould cavity

Question ID : 4410091274796
 Option 1 ID : 4410095031283
 Option 2 ID : 4410095031285
 Option 3 ID : 4410095031286
 Option 4 ID : 4410095031284
 Status : Answered
 Chosen Option : A

Q.38 Which phase is stable only above 723°C in the iron-carbon system?

- Ans ☒ A. Ferrite
☒ B. Cementite
☒ C. Martensite
☒ D. Austenite

Question ID : 4410091258321
 Option 1 ID : 4410094966121
 Option 2 ID : 4410094966123
 Option 3 ID : 4410094966120
 Option 4 ID : 4410094966122
 Status : Answered
 Chosen Option : D

Q.39 From what do gum boots NOT protect?

- Ans ☒ A. Hot spatter
☒ B. Fumes/gases
☒ C. Working in wet areas
☒ D. Falling objects

Question ID : 4410091265863
 Option 1 ID : 4410094996330
 Option 2 ID : 4410094996333
 Option 3 ID : 4410094996332
 Option 4 ID : 4410094996331
 Status : Not Answered
 Chosen Option : --

Q.40 The main constituents of green sand are:

- Ans ☒ A. silica grains, sodium silicate, and CO₂
☒ B. silica grains, resin and hardener
☒ C. sand, cement, and water glass
☒ D. silica grains, clay and moisture

Question ID : 4410091256753
 Option 1 ID : 4410094959888
 Option 2 ID : 4410094959886
 Option 3 ID : 4410094959887
 Option 4 ID : 4410094959885
 Status : Answered
 Chosen Option : D

Q.41 Which type of risers is placed at the top of the hot spot and is most effective due to gravity?

- Ans ☒ A. Side riser
☒ B. Bottom riser
☒ C. Blind riser
☒ D. Top riser

Question ID : 4410091273132
 Option 1 ID : 4410095024542
 Option 2 ID : 4410095024545
 Option 3 ID : 4410095024544
 Option 4 ID : 4410095024543
 Status : Answered
 Chosen Option : D

Q.42 In casting, the gate connects the runner to the mould cavity. Which of the following statements about gates is correct?

- Ans ☒ A. Gates should be thick at the cavity junction so that they do not break off easily.
☒ B. Gates are designed to feed liquid metals at a rate consistent with solidification.
☒ C. Gates should remain attached to the casting after solidification for strength.
☒ D. The best gate cross section is always circular for smooth flow into the cavity.

Question ID : 4410091273111
 Option 1 ID : 4410095024458
 Option 2 ID : 4410095024459
 Option 3 ID : 4410095024461
 Option 4 ID : 4410095024460
 Status : Answered
 Chosen Option : B

Q.43 What is the eutectoid composition in the iron-carbon system?

- Ans ☒ A. 0.8% Carbon
☒ B. 2.1% Carbon
☒ C. 0.2% Carbon
☒ D. 4.3% Carbon

Question ID : 4410091258330
 Option 1 ID : 4410094966157
 Option 2 ID : 4410094966158
 Option 3 ID : 4410094966156
 Option 4 ID : 4410094966159
 Status : Answered
 Chosen Option : A

Q.44 Which foundry produces castings of small batch sizes like two pieces?

- Ans ☒ A. Captive foundry
☒ B. Jobbing foundries
☒ C. Mass production foundries
☒ D. Mechanised foundries

Question ID : 4410091271357
 Option 1 ID : 4410095017409
 Option 2 ID : 4410095017406
 Option 3 ID : 4410095017408
 Option 4 ID : 4410095017407
 Status : Answered
 Chosen Option : A

Q.45 Which of the following is a major advantage of resin bonded sand moulds compared to green sand moulds?

- Ans ☒ A. Better dimensional accuracy and surface finish
☒ B. Easier reclamation of sand
☒ C. Higher moisture retention during casting
☒ D. Lower mould material cost

Question ID : 4410091256726
 Option 1 ID : 4410094959788
 Option 2 ID : 4410094959786
 Option 3 ID : 4410094959785
 Option 4 ID : 4410094959787
 Status : Answered
 Chosen Option : A

Q.46 Where is the metal temperature highest in a top gating system?

- Ans ☒ A. The top region
☒ B. The runner
☒ C. The middle region
☒ D. The bottom region

Question ID : 4410091273114
 Option 1 ID : 4410095024470
 Option 2 ID : 4410095024473
 Option 3 ID : 4410095024472
 Option 4 ID : 4410095024471
 Status : Answered
 Chosen Option : D

Q.47 The term 'tapping' in foundry melting refers to:

- Ans ☒ A. drawing molten metal from the furnace
- ☒ B. pouring molten metal into moulds
- ☒ C. adding alloying elements
- ☒ D. removing slag from the furnace

Question ID : 4410091247053
Option 1 ID : 4410094921454
Option 2 ID : 4410094921453
Option 3 ID : 4410094921456
Option 4 ID : 4410094921455
Status : Answered
Chosen Option : D

Q.48 Which of the following is a human cause of accidents in a workshop?

- Ans ☒ A. Slippery floor
- ☒ B. Poor lighting
- ☒ C. Defective machine guard
- ☒ D. Working without PPE

Question ID : 4410091265915
Option 1 ID : 4410094996535
Option 2 ID : 4410094996534
Option 3 ID : 4410094996536
Option 4 ID : 4410094996537
Status : Answered
Chosen Option : D

Q.49 What is quality assurance?

- Ans ☒ A. The physical testing of only finished products
- ☒ B. A documented procedure to assure quality
- ☒ C. Marketing strategy to attract customers
- ☒ D. Random inspection of materials without records

Question ID : 4410091272712
Option 1 ID : 4410095022861
Option 2 ID : 4410095022860
Option 3 ID : 4410095022863
Option 4 ID : 4410095022862
Status : Answered
Chosen Option : C

Q.50 Bench moulding is generally used for:

- Ans ☒ A. small moulds
- ☒ B. machine-made moulds
- ☒ C. medium moulds
- ☒ D. large moulds

Question ID : 4410091249598
Option 1 ID : 4410094931555
Option 2 ID : 4410094931558
Option 3 ID : 4410094931556
Option 4 ID : 4410094931557
Status : Answered
Chosen Option : B

Q.51 What is the main source of power for a hand-operated moulding machine?

- Ans ☒ A. Hydraulic system
☒ B. Electric motor
☒ C. Pneumatic pressure
☒ D. Manual force

Question ID : 4410091249641
Option 1 ID : 4410094931728
Option 2 ID : 4410094931727
Option 3 ID : 4410094931730
Option 4 ID : 4410094931729
Status : Answered
Chosen Option : A

Q.52 In foundry work, what is a common cause of accidents with furnaces?

- Ans ☒ A. Oil leakage
☒ B. Leaking crucible
☒ C. Loud noise
☒ D. Loose clothes

Question ID : 4410091265918
Option 1 ID : 4410094996543
Option 2 ID : 4410094996544
Option 3 ID : 4410094996542
Option 4 ID : 4410094996545
Status : Answered
Chosen Option : B

Q.53 Where does molten metal enter the mould in a parting line gating system?

- Ans ☒ A. At the level of the mould joint
☒ B. Only from the top of the mould
☒ C. Directly into the mould riser
☒ D. Only from the bottom of the mould

Question ID : 4410091283725
Option 1 ID : 4410095066552
Option 2 ID : 4410095066553
Option 3 ID : 4410095066554
Option 4 ID : 4410095066551
Status : Answered
Chosen Option : A

Q.54 Which machine is most useful for making shallow patterns?

- Ans ☒ A. Squeeze Machine
☒ B. Sand Slinger
☒ C. Jot-Sand Machine
☒ D. Jolt Squeeze Machine

Question ID : 4410091249663
Option 1 ID : 4410094931815
Option 2 ID : 4410094931816
Option 3 ID : 4410094931818
Option 4 ID : 4410094931817
Status : Answered
Chosen Option : D

Q.55 What is the density of pure aluminium?

- Ans ☒ A. 7.8 g/cm³
☒ B. 2.7 g/cm³
☒ C. 1.7 g/cm³
☒ D. 8.9 g/cm³

Question ID : 4410091245029
 Option 1 ID : 4410094913393
 Option 2 ID : 4410094913394
 Option 3 ID : 4410094913395
 Option 4 ID : 4410094913396
 Status : Answered
 Chosen Option : B

Q.56 The device used to measure moisture content in moulding sand is called:

- Ans ☒ A. moisture teller
☒ B. sand teller
☒ C. evaporator meter
☒ D. weight meter

Question ID : 4410091251063
 Option 1 ID : 4410094937426
 Option 2 ID : 4410094937425
 Option 3 ID : 4410094937427
 Option 4 ID : 4410094937428
 Status : Answered
 Chosen Option : A

Q.57 When is the core from the casting removed?

- Ans ☒ A. After filling of the mould
☒ B. After extracting the casting from the mould
☒ C. During solidification of the casting
☒ D. After the riser solidifies

Question ID : 4410091275720
 Option 1 ID : 4410095034875
 Option 2 ID : 4410095034873
 Option 3 ID : 4410095034874
 Option 4 ID : 4410095034876
 Status : Answered
 Chosen Option : C

Q.58 What is the carbon content of hypoeutectoid steel?

- Ans ☒ A. More than 0.8%
☒ B. Less than 0.8%
☒ C. Exactly 0.8%
☒ D. No carbon

Question ID : 4410091265891
 Option 1 ID : 4410094996434
 Option 2 ID : 4410094996435
 Option 3 ID : 4410094996436
 Option 4 ID : 4410094996437
 Status : Answered
 Chosen Option : B

Q.59 Which property change is observed after heat treatment of a metal?

Ans ☒ A. Mechanical properties

☒ B. Colour of the metal

☒ C. Electrical conductivity

☒ D. Shape of the metal

Question ID : 4410091258279

Option 1 ID : 4410094965954

Option 2 ID : 4410094965952

Option 3 ID : 4410094965955

Option 4 ID : 4410094965953

Status : Answered

Chosen Option : A

Q.60 What is the total number of components in a binary phase diagram?

Ans ☒ A. 2

☒ B. 1

☒ C. 3

☒ D. 4

Question ID : 4410091258315

Option 1 ID : 4410094966097

Option 2 ID : 4410094966096

Option 3 ID : 4410094966098

Option 4 ID : 4410094966099

Status : Answered

Chosen Option : C

Q.61 Which type of furnace is most commonly used for melting cast iron in foundries?

Ans ☒ A. Open-hearth furnace

☒ B. Cupola furnace

☒ C. Crucible furnace

☒ D. Electric arc furnace

Question ID : 4410091246899

Option 1 ID : 4410094920840

Option 2 ID : 4410094920837

Option 3 ID : 4410094920839

Option 4 ID : 4410094920838

Status : Answered

Chosen Option : B

Q.62 Non-ferrous metals that are classified as precious metals include:

Ans ☒ A. Copper and Aluminium

☒ B. Gold and Silver

☒ C. Nickel and Lead

☒ D. Zinc and Tin

Question ID : 4410091244970

Option 1 ID : 4410094913160

Option 2 ID : 4410094913158

Option 3 ID : 4410094913157

Option 4 ID : 4410094913159

Status : Answered

Chosen Option : A

Q.63 In a bottom gating system, molten metal enters the mould cavity at the lowest level.
What happens to any dislodged moulding material during this process?

- Ans ☒ A. It is carried upward and floats to the top surface.
- ☒ B. It settles at the bottom near the ingate.
- ☒ C. It fuses permanently to the casting walls.
- ☒ D. It gets trapped inside the runner.

Question ID : 4410091250601
Option 1 ID : 4410094935574
Option 2 ID : 4410094935573
Option 3 ID : 4410094935575
Option 4 ID : 4410094935576
Status : Answered
Chosen Option : B

Q.64 At what temperature are oil fired furnaces most economical?

- Ans ☒ A. Around 500°C
- ☒ B. Between 250 - 500°C
- ☒ C. Around 1000°C
- ☒ D. Below 250°C

Question ID : 4410091258310
Option 1 ID : 4410094966078
Option 2 ID : 4410094966076
Option 3 ID : 4410094966077
Option 4 ID : 4410094966079
Status : Answered
Chosen Option : C

Q.65 In the tempering process, the metal is _____.

- Ans ☒ A. heated above the melting point
- ☒ B. heated below the critical temperature and cooled slowly
- ☒ C. soaked in acid
- ☒ D. cooled rapidly from high temperature

Question ID : 4410091258289
Option 1 ID : 4410094965995
Option 2 ID : 4410094965993
Option 3 ID : 4410094965994
Option 4 ID : 4410094965992
Status : Answered
Chosen Option : D

Q.66 What are ingates?

- Ans ☒ A. Openings that allow excess molten metal to solidify
- ☒ B. Openings that trap gases and slag in the gating system
- ☒ C. Openings that carry molten metal to the mould cavity
- ☒ D. Openings that connect the sprue to the runner system

Question ID : 4410091283555
Option 1 ID : 4410095065886
Option 2 ID : 4410095065885
Option 3 ID : 4410095065884
Option 4 ID : 4410095065883
Status : Answered
Chosen Option : B

Q.67 The process of foundry is mainly associated with which activity?

- Ans ☒ A. Coating
☒ B. Injection moulding
☒ C. Machining
☒ D. Casting

Question ID : 4410091227961
 Option 1 ID : 4410094845353
 Option 2 ID : 4410094845356
 Option 3 ID : 4410094845354
 Option 4 ID : 4410094845355
 Status : Answered
 Chosen Option : D

Q.68 In moulding terminology, the cope refers to:

- Ans ☒ A. the lower part of the mould
☒ B. the upper part of the mould
☒ C. the part that holds the gating system
☒ D. the side walls of the mould

Question ID : 4410091251608
 Option 1 ID : 4410094939558
 Option 2 ID : 4410094939559
 Option 3 ID : 4410094939561
 Option 4 ID : 4410094939560
 Status : Answered
 Chosen Option : B

Q.69 The main fuel used in a cupola furnace is:

- Ans ☒ A. coke
☒ B. electricity
☒ C. diesel
☒ D. natural gas

Question ID : 4410091246905
 Option 1 ID : 4410094920862
 Option 2 ID : 4410094920863
 Option 3 ID : 4410094920864
 Option 4 ID : 4410094920861
 Status : Answered
 Chosen Option : A

Q.70 Which element controls the dimensional accuracy and surface finish of a casting?

- Ans ☒ A. Riser
☒ B. Mould
☒ C. Gates
☒ D. Sprue

Question ID : 4410091272845
 Option 1 ID : 4410095023398
 Option 2 ID : 4410095023399
 Option 3 ID : 4410095023401
 Option 4 ID : 4410095023400
 Status : Answered
 Chosen Option : A

Q.1 Which mechanical property is measured by the Charpy impact test?

- Ans ☒ A. Hardness
☒ B. Yield strength
☒ C. Impact toughness
☒ D. Tensile strength

Question ID : 4410091208849
 Option 1 ID : 4410094768893
 Option 2 ID : 4410094768891
 Option 3 ID : 4410094768892
 Option 4 ID : 4410094768890
 Status : Answered
 Chosen Option : C

Q.2 Which type of lever has the load located between the effort and the fulcrum?

- Ans ☒ A. Second-class lever
☒ B. Third-class lever
☒ C. Fourth-class lever
☒ D. First-class lever

Question ID : 4410091208822
 Option 1 ID : 4410094768783
 Option 2 ID : 4410094768784
 Option 3 ID : 4410094768785
 Option 4 ID : 4410094768782
 Status : Not Answered
 Chosen Option : --

Q.3 Which of the following is the correct sequence of sheet sizes from the largest to the smallest?

- Ans ☒ A. A3 > A4 > A0 > A1 > A2
☒ B. A2 > A1 > A0 > A3 > A4
☒ C. A0 > A1 > A2 > A3 > A4
☒ D. A4 > A3 > A2 > A1 > A0

Question ID : 4410091207004
 Option 1 ID : 4410094761545
 Option 2 ID : 4410094761544
 Option 3 ID : 4410094761542
 Option 4 ID : 4410094761543
 Status : Answered
 Chosen Option : D

Q.4 A force of 10 N is applied to an object, causing it to move 5 m in the direction of the force. The work done is:

- Ans ☒ A. 100 J
☒ B. 50 J
☒ C. 20 J
☒ D. 200 J

Question ID : 4410091208204
 Option 1 ID : 4410094766336
 Option 2 ID : 4410094766335
 Option 3 ID : 4410094766334
 Option 4 ID : 4410094766337
 Status : Answered
 Chosen Option : B

Q.5 A tower casts a shadow of 50 meters when the sun's angle of elevation is 30° . What is the height of the tower?

- Ans ☒ A. 100.95 meters
☒ B. 28.87 meters
☒ C. 50.85 meters
☒ D. 25 meters

Question ID : 4410091210174
 Option 1 ID : 4410094774193
 Option 2 ID : 4410094774191
 Option 3 ID : 4410094774192
 Option 4 ID : 4410094774190
 Status : Answered
 Chosen Option : B

Q.6 In an isometric view, what is the angle between the axes?

- Ans ☒ A. 60°
☒ B. 90°
☒ C. 30°
☒ D. 120°

Question ID : 4410091206115
 Option 1 ID : 4410094757988
 Option 2 ID : 4410094757986
 Option 3 ID : 4410094757989
 Option 4 ID : 4410094757987
 Status : Answered
 Chosen Option : D

Q.7 Which of the following is NOT a part of the symbolic representation for soldered joints as per BIS SP 46:2003?

- Ans ☒ A. Filled circle at the junction
☒ B. Arrowhead
☒ C. Reference line
☒ D. Hatch shading

Question ID : 4410091207524
 Option 1 ID : 4410094763619
 Option 2 ID : 4410094763620
 Option 3 ID : 4410094763618
 Option 4 ID : 4410094763621
 Status : Not Answered
 Chosen Option : --

Q.8 What is the product of $\frac{2}{3}$ and $\frac{3}{4}$?

- Ans ☒ A. $\frac{1}{2}$
☒ B. $\frac{2}{3}$
☒ C. $\frac{3}{4}$
☒ D. $\frac{1}{3}$

Question ID : 4410091210185
 Option 1 ID : 4410094774234
 Option 2 ID : 4410094774236
 Option 3 ID : 4410094774237
 Option 4 ID : 4410094774235
 Status : Answered
 Chosen Option : A

Q.9 What does the given symbol indicate?



- Ans ☒ A. Seam weld
☒ B. Spot weld
☒ C. Fillet weld
☒ D. Single J butt weld

Question ID : 4410091207532

Option 1 ID : 4410094763652

Option 2 ID : 4410094763651

Option 3 ID : 4410094763650

Option 4 ID : 4410094763653

Status : Not Answered

Chosen Option : --

Q.10 What is a functional dimension in engineering drawings?

- Ans ☒ A. A dimension not necessary for manufacturing
☒ B. A decorative measurement added to improve appearance
☒ C. A dimension essential for the function or assembly of a part
☒ D. A dimension used only for packaging

Question ID : 4410091265834

Option 1 ID : 4410094996221

Option 2 ID : 4410094996220

Option 3 ID : 4410094996219

Option 4 ID : 4410094996218

Status : Not Answered

Chosen Option : --

Q.11 Which of the following angles can be drawn using a 30°–60° set square?

- Ans ☒ A. Only 45°
☒ B. Only 30° and 60°
☒ C. 30°, 60°, and 90°
☒ D. Only 90° and 45°

Question ID : 4410091265849

Option 1 ID : 4410094996279

Option 2 ID : 4410094996280

Option 3 ID : 4410094996281

Option 4 ID : 4410094996278

Status : Answered

Chosen Option : C

Q.12 Which specification can be used in place of arrowheads in space constraints?

- Ans ☒ A. Single arrow
- ☒ B. Oblique line
- ☒ C. No dimension
- ☒ D. No arrow

Question ID : 4410091265839
Option 1 ID : 4410094996238
Option 2 ID : 4410094996241
Option 3 ID : 4410094996240
Option 4 ID : 4410094996239
Status : Answered
Chosen Option : B

Q.13 What is the decimal equivalent of 0.5%?

- Ans ☒ A. 0.5
- ☒ B. 0.005
- ☒ C. 0.05
- ☒ D. 5

Question ID : 4410091210152
Option 1 ID : 4410094774105
Option 2 ID : 4410094774103
Option 3 ID : 4410094774102
Option 4 ID : 4410094774104
Status : Answered
Chosen Option : C

Q.14 What is a non-functional dimension in engineering drawings?

- Ans ☒ A. A mandatory dimension used for tolerance control
- ☒ B. A dimension that directly affects the working of a part
- ☒ C. A dimension used only for decorative purposes
- ☒ D. A dimension that does not affect the function

Question ID : 4410091265836
Option 1 ID : 4410094996227
Option 2 ID : 4410094996228
Option 3 ID : 4410094996229
Option 4 ID : 4410094996226
Status : Not Answered
Chosen Option : --

Q.15 A shirt is sold for ₹800 at a loss of 20%. What is the cost price?

- Ans ☒ A. ₹1,000
- ☒ B. ₹960
- ☒ C. ₹840
- ☒ D. ₹666.67

Question ID : 4410091210155
Option 1 ID : 4410094774114
Option 2 ID : 4410094774115
Option 3 ID : 4410094774117
Option 4 ID : 4410094774116
Status : Answered
Chosen Option : B

Q.16 A bucket contains 5 liters of water. If 2 liters are poured out, how many milliliters of water are left?

- Ans ☒ A. 5000 milliliters
☒ B. 30000 milliliters
☒ C. 3000 milliliters
☒ D. 300 milliliters

Question ID : 4410091210187
 Option 1 ID : 4410094774245
 Option 2 ID : 4410094774243
 Option 3 ID : 4410094774242
 Option 4 ID : 4410094774244
 Status : Answered
 Chosen Option : C

Q.17 Which of the following is generally included in the title block?

- Ans ☒ A. Surface roughness
☒ B. Type of projection
☒ C. Centerline symbol
☒ D. Quantity of parts

Question ID : 4410091207013
 Option 1 ID : 4410094761581
 Option 2 ID : 4410094761578
 Option 3 ID : 4410094761580
 Option 4 ID : 4410094761579
 Status : Not Answered
 Chosen Option : --

Q.18 What is the primary purpose of an engineering drawing?

- Ans ☒ A. To entertain clients with sketches
☒ B. To create artistic designs
☒ C. To make 3D models
☒ D. To communicate technical information clearly and precisely

Question ID : 4410091265821
 Option 1 ID : 4410094996167
 Option 2 ID : 4410094996166
 Option 3 ID : 4410094996169
 Option 4 ID : 4410094996168
 Status : Not Answered
 Chosen Option : --

Q.19 What is the primary advantage of using timber as a building material?

- Ans ☒ A. High strength-to-weight ratio
☒ B. High thermal conductivity
☒ C. High moisture absorption
☒ D. Sustainability and renewability

Question ID : 4410091208867
 Option 1 ID : 4410094768970
 Option 2 ID : 4410094768971
 Option 3 ID : 4410094768973
 Option 4 ID : 4410094768972
 Status : Answered
 Chosen Option : B

Q.20 Which heat treatment process involves heating steel to a temperature above its critical point and then quenching it in water or oil?

- Ans ☒ A. Tempering
☒ B. Annealing
☒ C. Normalising
☒ D. Hardening

Question ID : 4410091208789

Option 1 ID : 4410094768655

Option 2 ID : 4410094768652

Option 3 ID : 4410094768653

Option 4 ID : 4410094768654

Status : Answered

Chosen Option : B

Q.21 What is the formula for the volume of a cone?

- Ans ☒ A. $\pi \times \text{radius}^2 \times \text{height}$
☒ B. $\pi \times \text{diameter}^2 \times \text{height}$
☒ C. $\frac{1}{3} \times \pi \times \text{radius}^2 \times \text{height}$
☒ D. $2 \times \pi \times \text{radius} \times \text{height}$

Question ID : 4410091208923

Option 1 ID : 4410094769191

Option 2 ID : 4410094769193

Option 3 ID : 4410094769190

Option 4 ID : 4410094769192

Status : Answered

Chosen Option : D

Q.22 What does the given symbol indicate?



- Ans ☒ A. Single-U butt weld
☒ B. Single-bevel butt weld with broad root face
☒ C. Single J butt weld
☒ D. Fillet weld

Question ID : 4410091207486

Option 1 ID : 4410094763467

Option 2 ID : 4410094763466

Option 3 ID : 4410094763468

Option 4 ID : 4410094763469

Status : Answered

Chosen Option : B

Q.23 Which of the following is a correct designation for an angle profile section measuring 89 mm x 60 mm x 7 mm and having a cutting length of 500 mm?

- Ans ☒ A. N 89 x 60 x 7 -500
☒ B. L 89 x 60 x 7 -500
☒ C. M 89 x 60 x 7 -500
☒ D. Z 89 x 60 x 7 -500

Question ID : 4410091207456
 Option 1 ID : 4410094763348
 Option 2 ID : 4410094763346
 Option 3 ID : 4410094763347
 Option 4 ID : 4410094763349
 Status : Answered
 Chosen Option : B

Q.24 Which of the following best describes the relationship between an engineering drawing and architectural drawing?

- Ans ☒ A. They are not related in any way.
☒ B. Both use symbols, scales, and projections to convey technical details.
☒ C. Architectural drawings are less technical and used only for decoration.
☒ D. Engineering drawings do not use scales.

Question ID : 4410091265828
 Option 1 ID : 4410094996197
 Option 2 ID : 4410094996196
 Option 3 ID : 4410094996195
 Option 4 ID : 4410094996194
 Status : Answered
 Chosen Option : B

Q.25 What are the three main types of levers?

- Ans ☒ A. Mechanical, hydraulic and pneumatic
☒ B. Simple, compound and complex
☒ C. First-class, second-class and third-class
☒ D. Inclined, screw and pulley

Question ID : 4410091208815
 Option 1 ID : 4410094768755
 Option 2 ID : 4410094768754
 Option 3 ID : 4410094768756
 Option 4 ID : 4410094768757
 Status : Answered
 Chosen Option : B

Q.26 Why is dimensioning important in engineering drawing?

- Ans ☒ A. It reduces the number of views.
☒ B. It makes the drawing look attractive.
☒ C. It replaces the need for tolerances.
☒ D. It helps in quality inspection and manufacturing.

Question ID : 4410091265833
 Option 1 ID : 4410094996217
 Option 2 ID : 4410094996216
 Option 3 ID : 4410094996215
 Option 4 ID : 4410094996214
 Status : Answered
 Chosen Option : C

Q.27 What is the typical carbon content in cast iron?

- Ans ☒ A. 0.1-0.5%
- ☒ B. 2-4%
- ☒ C. 10-15%
- ☒ D. 1-2%

Question ID : 4410091208845
 Option 1 ID : 4410094768874
 Option 2 ID : 4410094768876
 Option 3 ID : 4410094768877
 Option 4 ID : 4410094768875
 Status : Answered
 Chosen Option : B

Q.28 Strain is defined as:

- Ans ☒ A. the change in area per unit original area
- ☒ B. the change in force per unit original force
- ☒ C. the change in volume per unit original volume
- ☒ D. the change in length per original length

Question ID : 4410091208281
 Option 1 ID : 4410094766640
 Option 2 ID : 4410094766641
 Option 3 ID : 4410094766639
 Option 4 ID : 4410094766638
 Status : Not Answered
 Chosen Option : --

Q.29 What is the main function of a drafter in engineering drawing?

- Ans ☒ A. To scan the drawing on a computer
- ☒ B. To erase lines with precision
- ☒ C. To draw accurate horizontal, vertical, and inclined lines easily
- ☒ D. To fold drawing sheets neatly

Question ID : 4410091265841
 Option 1 ID : 4410094996248
 Option 2 ID : 4410094996246
 Option 3 ID : 4410094996247
 Option 4 ID : 4410094996249
 Status : Answered
 Chosen Option : C

Q.30 What is the formula for the area of a triangle?

- Ans ☒ A. $\frac{1}{2} \times \text{base} \times \text{height}$
- ☒ B. $\text{base} \times \text{height}$
- ☒ C. $\frac{3}{2} \times \text{base} \times \text{height}$
- ☒ D. $2 \times (\text{base} + \text{height})$

Question ID : 4410091208893
 Option 1 ID : 4410094769075
 Option 2 ID : 4410094769074
 Option 3 ID : 4410094769076
 Option 4 ID : 4410094769077
 Status : Answered
 Chosen Option : A

Q.1 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?

$$30 \times 6 \div 5 - 24 + 2 = ?$$

- Ans ☒ A. 44
☒ B. 54
☒ C. 52
☒ D. 47

Question ID : 441009531908
 Option 1 ID : 4410092083036
 Option 2 ID : 4410092083039
 Option 3 ID : 4410092083037
 Option 4 ID : 4410092083038
 Status : Answered
 Chosen Option : D

Q.2 तीन साझेदार A, B और C एक व्यवसाय में 1 वर्ष के लिए क्रमशः ₹12,000, ₹18,000 और ₹24,000 का निवेश करते हैं। उन्हें कुल ₹16,200 का लाभ प्राप्त होता है, जिसे उनके निवेश के अनुपात में बाँटा जाना है। लाभ में B का हिस्सा ज्ञात कीजिए।

- Ans ☒ A. ₹5,400
☒ B. ₹5,200
☒ C. ₹5,300
☒ D. ₹5,100

Question ID : 4410091256984
 Option 1 ID : 4410094960798
 Option 2 ID : 4410094960796
 Option 3 ID : 4410094960797
 Option 4 ID : 4410094960795
 Status : Answered
 Chosen Option : A

Q.3 Seven people A, B, C, D, E, F and G are sitting in a straight line, facing north. Only two people sit to the right of G. Only three people sit between G and E. B sits second to the left of F. A is an immediate neighbour of D. D sits extreme right. How many persons are sitting between A and B?

- Ans ☒ A. 3
☒ B. 4
☒ C. 2
☒ D. 1

Question ID : 441009755598
 Option 1 ID : 4410092976387
 Option 2 ID : 4410092976388
 Option 3 ID : 4410092976386
 Option 4 ID : 4410092976385
 Status : Answered
 Chosen Option : D

Q.4 तरस अपनी कक्षा में ऊपर से 7वें और नीचे से 18वें स्थान पर है। उसकी कक्षा में कितने विद्यार्थी हैं?

- Ans ☒ A. 22
☒ B. 25
☒ C. 24
☒ D. 23

Question ID : 441009755661
 Option 1 ID : 4410092976640
 Option 2 ID : 4410092976638
 Option 3 ID : 4410092976637
 Option 4 ID : 4410092976639
 Status : Answered
 Chosen Option : C

Q.5 The mean proportion of $7\frac{2}{9}$ and $3\frac{3}{5}$ is:

- Ans ☒ A. $\sqrt{26}$
☒ B. $2\sqrt{13}$
☒ C. $\frac{13}{5}$
☒ D. $\frac{5}{9}$

Question ID : 4410091238517
 Option 1 ID : 4410094887591
 Option 2 ID : 4410094887592
 Option 3 ID : 4410094887590
 Option 4 ID : 4410094887593
 Status : Answered
 Chosen Option : C

Q.6 Bhupesh invested ₹6,550 for 4 years and earned ₹1,310 as simple interest. What is the rate of interest per annum?

- Ans ☒ A. 4%
☒ B. 6%
☒ C. 7%
☒ D. 5%

Question ID : 4410091256865
 Option 1 ID : 4410094960331
 Option 2 ID : 4410094960333
 Option 3 ID : 4410094960334
 Option 4 ID : 4410094960332
 Status : Answered
 Chosen Option : D

Q.7 In a certain code language, 'LAME' is coded as '2518' and 'MAZE' is coded as '5138'.
What is the code for 'Z' in that language?5206

- Ans ☒ A. 1
☒ B. 5
☒ C. 3
☒ D. 2

Question ID : 441009694434
Option 1 ID : 4410092731769
Option 2 ID : 4410092731768
Option 3 ID : 4410092731766
Option 4 ID : 4410092731767
Status : Answered
Chosen Option : C

Q.8 A shopkeeper wants to earn a 12.5% profit on an item whose cost price is ₹640.50. At
what price should he sell the item (rounded off to two decimal places)?

- Ans ☒ A. ₹724.56
☒ B. ₹723.16
☒ C. ₹717.16
☒ D. ₹720.56

Question ID : 4410091256932
Option 1 ID : 4410094960596
Option 2 ID : 4410094960595
Option 3 ID : 4410094960598
Option 4 ID : 4410094960597
Status : Answered
Chosen Option : B

Q.9 सात बॉक्स A, B, C, D, E, F और G एक के ऊपर एक रखे गए हैं लेकिन जरूरी नहीं कि वे इसी क्रम में
रखे गए हों। A को D के ठीक ऊपर रखा गया है। A और B के बीच केवल तीन बॉक्स रखे गए हैं। B और
F के बीच केवल दो बॉक्स रखे गए हैं। G को C के ठीक ऊपर रखा गया है। E को स्टैक (stack) के शीर्ष
पर नहीं रखा गया है। E और F के बीच कितने बॉक्स रखे गए हैं?

- Ans ☒ A. दो
☒ B. तीन
☒ C. एक भी नहीं
☒ D. एक

Question ID : 441009809
Option 1 ID : 4410093225
Option 2 ID : 4410093226
Option 3 ID : 4410093223
Option 4 ID : 4410093224
Status : Answered
Chosen Option : C

Q.10 ₹10,050 की धनराशि को 10% वार्षिक ब्याज दर से 2 वर्षों के लिए निवेश करने पर अर्जित चक्रवृद्धि ब्याज (वार्षिक रूप से संयोजित) और साधारण ब्याज के बीच अंतर ज्ञात कीजिए।

- Ans ☒ A. ₹101.50
☒ B. ₹99.50
☒ C. ₹102.50
☒ D. ₹100.50

Question ID : 4410091256884
 Option 1 ID : 4410094960409
 Option 2 ID : 4410094960407
 Option 3 ID : 4410094960410
 Option 4 ID : 4410094960408
 Status : Not Answered
 Chosen Option : --

Q.11 अपनी यात्रा में, एक व्यक्ति 120 km की दूरी 40 km/hr की चाल से, अगले 100 km की दूरी 50 km/hr की चाल से तय करता है, और 55 km/hr की चाल से प्रारंभिक बिंदु पर वापस आता है। पूरी यात्रा में व्यक्ति की औसत चाल (दो दशमलव स्थानों तक पूर्णांकित) ज्ञात करें।

- Ans ☒ A. 43.55 km/hr
☒ B. 48.89 km/hr
☒ C. 46.22 km/hr
☒ D. 44.26 km/hr

Question ID : 441009225745
 Option 1 ID : 441009883824
 Option 2 ID : 441009883827
 Option 3 ID : 441009883826
 Option 4 ID : 441009883825
 Status : Answered
 Chosen Option : B

Q.12 सात बक्से A, B, C, D, E, F और G एक के ऊपर एक रखे गए हैं, लेकिन जरूरी नहीं कि वे इसी क्रम में रखे गए हों। A और F के बीच केवल चार बक्से रखे गए हैं। केवल C को A के ऊपर रखा गया है। D और B के बीच केवल दो बक्से रखे गए हैं। G को E के ठीक ऊपर रखा गया है। B को G के ठीक ऊपर नहीं रखा गया है। E के नीचे कितने बक्से रखे गए हैं?

- Ans ☒ A. 1
☒ B. 2
☒ C. 3
☒ D. 4

Question ID : 441009795
 Option 1 ID : 4410093167
 Option 2 ID : 4410093168
 Option 3 ID : 4410093169
 Option 4 ID : 4410093170
 Status : Answered
 Chosen Option : D

Q.13 A metallic spherical ball with a radius of 9 cm is melted and drawn into a wire with a diameter of a cross-section of 0.4 cm. Find the length of the wire (in metres).

- Ans ☒ A. 200
☒ B. 250
☒ C. 256
☒ D. 243

Question ID : 441009280602
 Option 1 ID : 4410091090367
 Option 2 ID : 4410091090369
 Option 3 ID : 4410091090370
 Option 4 ID : 4410091090368
 Status : Answered
 Chosen Option : A

Q.14 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 3726248, how many odd digits will appear in the new number thus formed?

- Ans ☒ A. None
☒ B. Two
☒ C. Three
☒ D. One

Question ID : 441009588856
 Option 1 ID : 4410092310550
 Option 2 ID : 4410092310552
 Option 3 ID : 4410092310553
 Option 4 ID : 4410092310551
 Status : Answered
 Chosen Option : B

Q.15 What should come in place of the question mark (?) in the given series?

32 36 44 60 92 ?

- Ans ☒ A. 136
☒ B. 156
☒ C. 146
☒ D. 166

Question ID : 441009586900
 Option 1 ID : 4410092302726
 Option 2 ID : 4410092302728
 Option 3 ID : 4410092302727
 Option 4 ID : 4410092302729
 Status : Not Answered
 Chosen Option : --

Q.16 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 7856412, how many digits will appear more than once in the new number thus formed?

- Ans ☒ A. One
☒ B. Three
☒ C. Two
☒ D. None

Question ID : 441009587184
Option 1 ID : 4410092303863
Option 2 ID : 4410092303865
Option 3 ID : 4410092303864
Option 4 ID : 4410092303862
Status : Answered
Chosen Option : B

Q.17 If the number 581*974 is completely divisible by 9, then the smallest whole number in place of * will be :

- Ans ☒ A. 4
☒ B. 3
☒ C. 2
☒ D. 1

Question ID : 441009168659
Option 1 ID : 441009667598
Option 2 ID : 441009667597
Option 3 ID : 441009667596
Option 4 ID : 441009667595
Status : Answered
Chosen Option : C

Q.18 A manufacturer sells a product to a wholesaler at a profit of 25%. The wholesaler, in turn, sells it to a retailer at a profit of 20%, and the retailer sells it to a customer at a profit of 10%. If the customer pays ₹759, find the cost price (in ₹) for the manufacturer.

- Ans ☒ A. 462
☒ B. 460
☒ C. 457
☒ D. 461

Question ID : 441009277977
Option 1 ID : 4410091079870
Option 2 ID : 4410091079867
Option 3 ID : 4410091079869
Option 4 ID : 4410091079868
Status : Answered
Chosen Option : B

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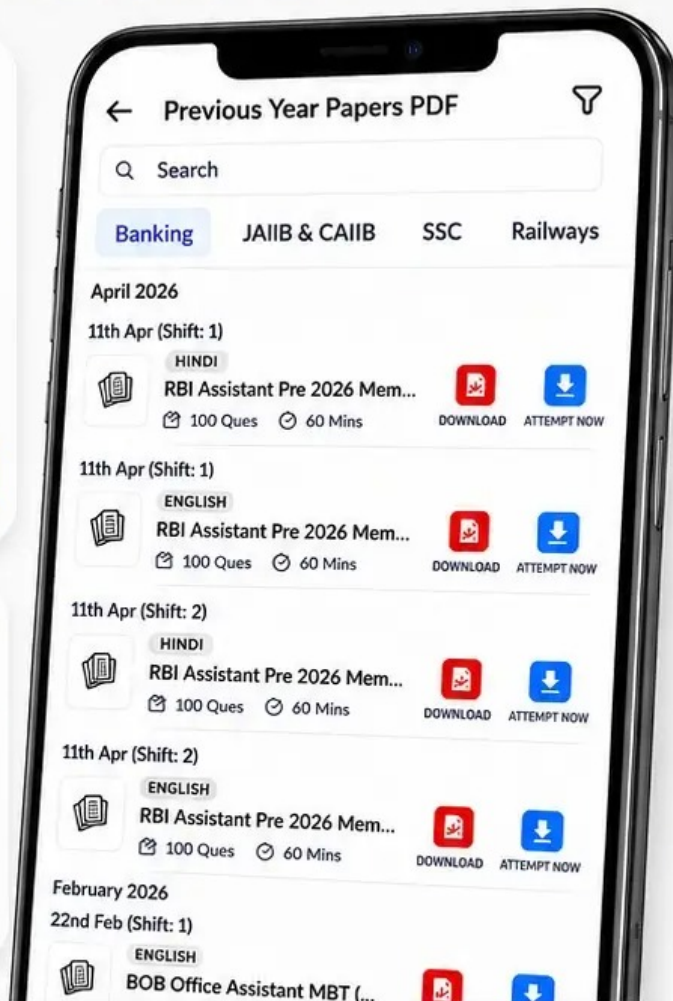
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Q.19 In a certain code language,

A & B means 'A is the son of B',
A @ B means 'A is the brother of B',
A + B means 'A is the wife of B' and
A x B means 'A is the father of B'.

How is V related to G if 'V & R x T @ H + G'?10802

Ans ☒ A. Wife's brother

☐ B. Wife's father

☐ C. Father

☐ D. Brother

Question ID : 441009716971

Option 1 ID : 4410092821855

Option 2 ID : 4410092821857

Option 3 ID : 4410092821858

Option 4 ID : 4410092821856

Status : Answered

Chosen Option : B

Q.20 The number 186333 is divisible by:

Ans ☒ A. 19

☐ B. 10

☐ C. 16

☐ D. 24

Question ID : 441009911434

Option 1 ID : 4410093599987

Option 2 ID : 4410093599989

Option 3 ID : 4410093599990

Option 4 ID : 4410093599988

Status : Answered

Chosen Option : D