

BHEL Artisan

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



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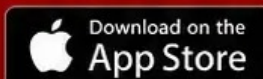


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Q.3 The Gas Tungsten Arc Welding (GTAW) process is also called:

- Ans ☒ A. Shielded Metal Arc Welding (SMAW)
- ☒ B. TIG (Tungsten Inert Gas) Welding
- ☒ C. MIG (Metal Inert Gas) Welding
- ☒ D. Electric Arc Welding

Question ID : 4410091188896

Option 1 ID : 4410094689829

Option 2 ID : 4410094689827

Option 3 ID : 4410094689826

Option 4 ID : 4410094689828

Status : Answered

Chosen Option : B

Q.4 Coating factor in welding electrodes =

- Ans ☒ A. Electrode length / Coating thickness
- ☒ B. Arc voltage / Electrode length
- ☒ C. Coating diameter / Core wire diameter
- ☒ D. Core wire diameter / Coating diameter

Question ID : 4410091186684

Option 1 ID : 4410094680911

Option 2 ID : 4410094680913

Option 3 ID : 4410094680910

Option 4 ID : 4410094680912

Status : Answered

Chosen Option : B

Q.5 Which of the following equipment is NOT used in the TIG welding process?

- Ans ☒ A. Electrode holder
- ☒ B. An arc welding machine
- ☒ C. Consumable tungsten electrode
- ☒ D. An inert gas cylinder

Question ID : 4410091281113

Option 1 ID : 4410095056274

Option 2 ID : 4410095056273

Option 3 ID : 4410095056271

Option 4 ID : 4410095056272

Status : Answered

Chosen Option : B

Q.6 MIG in welding stands for:

- Ans ☒ A. Metal Inert Gas
- ☒ B. Metal Insulated Gas
- ☒ C. Manual Inert Gas
- ☒ D. Metal Internal Gas

Question ID : 4410091242765

Option 1 ID : 4410094904399

Option 2 ID : 4410094904401

Option 3 ID : 4410094904402

Option 4 ID : 4410094904400

Status : Answered

Chosen Option : B

Q.7 The main cause of bird-nesting (wire tangling) in a wire feed system is:

- Ans ☒ A. low arc voltage
- ☒ B. worn-out or misaligned drive rolls
- ☒ C. wrong polarity setting
- ☒ D. excessive shielding gas flow

Question ID : 4410091246164
Option 1 ID : 4410094917933
Option 2 ID : 4410094917931
Option 3 ID : 4410094917932
Option 4 ID : 4410094917930
Status : Answered
Chosen Option : C

Q.8 The distance between the tip of the electrode and the job surface, when the arc is formed, is termed as the:

- Ans ☒ A. arc length
- ☒ B. arc blow
- ☒ C. arc depth
- ☒ D. arc width

Question ID : 4410091207918
Option 1 ID : 4410094765189
Option 2 ID : 4410094765187
Option 3 ID : 4410094765188
Option 4 ID : 4410094765186
Status : Answered
Chosen Option : A

Q.9 The slope for overhead welding position is:

- Ans ☒ A. between 45° and 60°
- ☒ B. not exceeding 45°
- ☒ C. between 90° and 120°
- ☒ D. between 60° and 90°

Question ID : 4410091277949
Option 1 ID : 4410095043776
Option 2 ID : 4410095043775
Option 3 ID : 4410095043778
Option 4 ID : 4410095043777
Status : Answered
Chosen Option : D

Q.10 Pure Argon shielding gas is most suitable for welding which of the following materials?

- Ans ☒ A. Carbon steel only
- ☒ B. Stainless steel only
- ☒ C. Cast iron only
- ☒ D. Aluminum and non-ferrous metals

Question ID : 4410091248892
Option 1 ID : 4410094928755
Option 2 ID : 4410094928758
Option 3 ID : 4410094928757
Option 4 ID : 4410094928756
Status : Answered
Chosen Option : D

Q.11 Which factor is most important when selecting the wire diameter for GMAW (Gas Metal Arc Welding)?

- Ans ☒ A. Type of shielding gas
- ☒ B. Type of welding torch used
- ☒ C. Colour of the arc
- ☒ D. Base metal thickness

Question ID : 4410091247576

Option 1 ID : 4410094923499

Option 2 ID : 4410094923501

Option 3 ID : 4410094923500

Option 4 ID : 4410094923502

Status : Answered

Chosen Option : B

Q.12 Which of the following precautions is NOT included in precautions against electric shocks?

- Ans ☒ A. No electrical work should be carried out while wearing wet clothes.
- ☒ B. Broken fittings like switches, plugs, etc., should always be promptly replaced.
- ☒ C. Electric wires should not be used as hangers for clothes.
- ☒ D. Persons carrying out electrical work should wear loose dress, open sleeves and metallic ornaments.

Question ID : 4410091281098

Option 1 ID : 4410095056213

Option 2 ID : 4410095056214

Option 3 ID : 4410095056212

Option 4 ID : 4410095056211

Status : Answered

Chosen Option : D

Q.13 A joint between two overlapping plates or components is known as:

- Ans ☒ A. T joint
- ☒ B. butt joint
- ☒ C. corner joint
- ☒ D. lap joint

Question ID : 4410091283254

Option 1 ID : 4410095064689

Option 2 ID : 4410095064687

Option 3 ID : 4410095064688

Option 4 ID : 4410095064686

Status : Answered

Chosen Option : B

Q.14 The general name for both MIG and MAG welding is:

- Ans ☒ A. Plasma Arc Welding (PAW)
- ☒ B. Gas Metal Arc Welding (GMAW)
- ☒ C. Shielded Metal Arc Welding (SMAW)
- ☒ D. Gas Tungsten Arc Welding (GTAW)

Question ID : 4410091242841

Option 1 ID : 4410094904706

Option 2 ID : 4410094904705

Option 3 ID : 4410094904703

Option 4 ID : 4410094904704

Status : Answered

Chosen Option : C

Q.15 Which of the following inspection methods needs a magnifying glass, a steel rule, try square and weld gauges?

- Ans ☒ A. Radiographic testing
☒ B. Ultrasonic testing
☒ C. Visual inspection
☒ D. Magnetic particle test

Question ID : 4410091305191
 Option 1 ID : 4410095152820
 Option 2 ID : 4410095152819
 Option 3 ID : 4410095152818
 Option 4 ID : 4410095152817
 Status : Answered
 Chosen Option : D

Q.16 Which of the following devices is fitted with oxy-fuel welding to stop flame or reverse flow of a gas back into the equipment?

- Ans ☒ A. Safety fuse plug
☒ B. Flash back arrester
☒ C. Nut and swivel assembly
☒ D. Choke valve

Question ID : 4410091305267
 Option 1 ID : 4410095153140
 Option 2 ID : 4410095153137
 Option 3 ID : 4410095153139
 Option 4 ID : 4410095153138
 Status : Answered
 Chosen Option : B

Q.17 Which of the following can cause an undercut in welding?

- Ans ☒ A. Current too high
☒ B. Proper electrode angle
☒ C. Welding speed too slow
☒ D. Current too low

Question ID : 4410091188887
 Option 1 ID : 4410094689792
 Option 2 ID : 4410094689793
 Option 3 ID : 4410094689791
 Option 4 ID : 4410094689790
 Status : Answered
 Chosen Option : A

Q.18 Which of the following equipment is NOT used in GMAW?

- Ans ☒ A. Electrode wire feeder
☒ B. Flow meter
☒ C. Tungsten electrode
☒ D. Inert gas cylinder

Question ID : 4410091281060
 Option 1 ID : 4410095056061
 Option 2 ID : 4410095056062
 Option 3 ID : 4410095056059
 Option 4 ID : 4410095056060
 Status : Answered
 Chosen Option : C

Q.19 The slope for vertical welding position is:

- Ans ☒ A. between 25° and 45°
☒ B. exceeding 45°
☒ C. not exceeding 10°
☒ D. between 10° and 25°

Question ID : 4410091277941

Option 1 ID : 4410095043745

Option 2 ID : 4410095043746

Option 3 ID : 4410095043743

Option 4 ID : 4410095043744

Status : Answered

Chosen Option : A

Q.20 What type of fire extinguisher is generally recommended near GMAW (Gas Metal Arc Welding) welding stations?

- Ans ☒ A. Water type
☒ B. CO₂ type
☒ C. Paper type
☒ D. Sand bucket only

Question ID : 4410091243554

Option 1 ID : 4410094907512

Option 2 ID : 4410094907513

Option 3 ID : 4410094907514

Option 4 ID : 4410094907515

Status : Answered

Chosen Option : B

Q.21 Which of the following types of butt weld joint is shown in the given figure?



- Ans ☒ A. Double U
☒ B. Double V
☒ C. Single V
☒ D. Square butt

Question ID : 4410091283245

Option 1 ID : 4410095064650

Option 2 ID : 4410095064651

Option 3 ID : 4410095064652

Option 4 ID : 4410095064653

Status : Answered

Chosen Option : A

Q.22 What is the typical temperature range at the centre of an arc welding jet in plasma arc welding?

- Ans ☒ A. 1000 - 5000 °C
☒ B. 6000 - 8000 °C
☒ C. 20,000 - 30,000 °C
☒ D. 500 - 1000 °C

Question ID : 4410091208033
 Option 1 ID : 4410094765657
 Option 2 ID : 4410094765656
 Option 3 ID : 4410094765655
 Option 4 ID : 4410094765654
 Status : Answered
 Chosen Option : C

Q.23 What is the primary mechanism of cutting in plasma arc cutting?

- Ans ☒ A. Electrochemical reaction
☒ B. Oxidation and combustion
☒ C. Mechanical shearing
☒ D. Melting and vaporisation

Question ID : 4410091188946
 Option 1 ID : 4410094690029
 Option 2 ID : 4410094690027
 Option 3 ID : 4410094690028
 Option 4 ID : 4410094690026
 Status : Answered
 Chosen Option : A

Q.24 What is the main purpose of post heating in welding large jobs?

- Ans ☒ A. To avoid cracks and distortion from rapid cooling
☒ B. To make the metal harder
☒ C. To cool the job quickly
☒ D. To remove welding slag

Question ID : 4410091186703
 Option 1 ID : 4410094680985
 Option 2 ID : 4410094680983
 Option 3 ID : 4410094680982
 Option 4 ID : 4410094680984
 Status : Answered
 Chosen Option : A

Q.25 Which of the following arc lengths causes more spatters, indicating wastage of the electrode metal?

- Ans ☒ A. Normal arc
☒ B. Short arc
☒ C. Long arc
☒ D. Medium arc

Question ID : 4410091305169
 Option 1 ID : 4410095152724
 Option 2 ID : 4410095152723
 Option 3 ID : 4410095152722
 Option 4 ID : 4410095152721
 Status : Answered
 Chosen Option : C

Q.26 If there are burns or any injury on the body, _____ should be given immediately, and efforts should be made to carry the victim to the hospital.

- Ans ☒ A. Water
☒ B. Next work
☒ C. First aid
☒ D. Tea or coffee

Question ID : 4410091281090
Option 1 ID : 4410095056181
Option 2 ID : 4410095056180
Option 3 ID : 4410095056179
Option 4 ID : 4410095056182
Status : Answered
Chosen Option : C

Q.27 In a pull-type wire feed system, the drive rolls are located:

- Ans ☒ A. at the power source
☒ B. at power source and gun
☒ C. at shielding gas regulator
☒ D. inside the welding gun

Question ID : 4410091246090
Option 1 ID : 4410094917638
Option 2 ID : 4410094917640
Option 3 ID : 4410094917641
Option 4 ID : 4410094917639
Status : Answered
Chosen Option : C

Q.28 What is one of the primary reasons for preparing edges before welding?

- Ans ☒ A. To obtain the required strength for the joint
☒ B. To increase the cost of welding
☒ C. To reduce the thickness of metal
☒ D. To eliminate the need for weld metal

Question ID : 4410091188974
Option 1 ID : 4410094690141
Option 2 ID : 4410094690138
Option 3 ID : 4410094690139
Option 4 ID : 4410094690140
Status : Answered
Chosen Option : A

Q.29 Which of the following arc lengths makes a humming sound causing an unstable arc?

- Ans ☒ A. Short arc
☒ B. Normal arc
☒ C. Long arc
☒ D. Medium arc

Question ID : 4410091305150
Option 1 ID : 4410095152647
Option 2 ID : 4410095152648
Option 3 ID : 4410095152646
Option 4 ID : 4410095152645
Status : Answered
Chosen Option : A

Q.30 _____ is/are a commonly used tool to check the preheating temperature of a welding job.

- Ans ☒ A. Thermocouple sensor
☒ B. Pyrometer
☒ C. Digital thermometer
☒ D. Wax crayons

Question ID : 4410091186706
 Option 1 ID : 4410094680996
 Option 2 ID : 4410094680995
 Option 3 ID : 4410094680994
 Option 4 ID : 4410094680997
 Status : Answered
 Chosen Option : A

Q.31 The slope for horizontal welding position is:

- Ans ☒ A. not exceeding 10°
☒ B. between 60° and 90°
☒ C. between 10° and 45°
☒ D. between 45° and 60°

Question ID : 4410091277930
 Option 1 ID : 4410095043703
 Option 2 ID : 4410095043706
 Option 3 ID : 4410095043704
 Option 4 ID : 4410095043705
 Status : Answered
 Chosen Option : B

Q.32 What is the key temperature distinction between brazing and soldering?

- Ans ☒ A. Brazing is done above 450°C, soldering below 450°C
☒ B. Both brazing and soldering are done above 600°C
☒ C. Brazing is done at room temperature, soldering above 100°C
☒ D. Brazing is done below 300°C, soldering above 450°C

Question ID : 4410091186666
 Option 1 ID : 4410094680849
 Option 2 ID : 4410094680848
 Option 3 ID : 4410094680847
 Option 4 ID : 4410094680846
 Status : Answered
 Chosen Option : D

Q.33 In which of the following DC arc welding machines is the generator driven by a petrol or diesel engine?

- Ans ☒ A. Motor generator set
☒ B. Rectifier set
☒ C. Engine generator set
☒ D. STEP-DOWN transformer

Question ID : 4410091277880
 Option 1 ID : 4410095043503
 Option 2 ID : 4410095043505
 Option 3 ID : 4410095043504
 Option 4 ID : 4410095043506
 Status : Answered
 Chosen Option : C

Q.34 Why is baking of electrodes necessary before welding?

- Ans ☒ A. To improve the appearance of the electrode
☒ B. To change the electrode's composition
☒ C. To make the electrode electrically conductive
☒ D. To remove water that can cause hydrogen-induced defects

Question ID : 4410091186696
 Option 1 ID : 4410094680958
 Option 2 ID : 4410094680960
 Option 3 ID : 4410094680959
 Option 4 ID : 4410094680961
 Status : Answered
 Chosen Option : A

Q.35 The slope for flat welding position is:

- Ans ☒ A. between 45° and 60°
☒ B. between 10° and 45°
☒ C. between 60° and 90°
☒ D. not exceeding 10°

Question ID : 4410091277917
 Option 1 ID : 4410095043657
 Option 2 ID : 4410095043656
 Option 3 ID : 4410095043658
 Option 4 ID : 4410095043655
 Status : Answered
 Chosen Option : A

Q.36 Which of the following elements of welding symbol, if used, may give information on specification and the welding process used?

- Ans ☒ A. Tail
☒ B. Finish symbol
☒ C. Reference line
☒ D. Root opening size

Question ID : 4410091277984
 Option 1 ID : 4410095043913
 Option 2 ID : 4410095043912
 Option 3 ID : 4410095043911
 Option 4 ID : 4410095043914
 Status : Answered
 Chosen Option : A

Q.37 Identify the name of the surface cleaning process that removes oxide layers from a metal surface using acids.

- Ans ☒ A. Tempering
☒ B. Pickling
☒ C. Degreasing
☒ D. Honing

Question ID : 4410091207825
 Option 1 ID : 4410094764829
 Option 2 ID : 4410094764827
 Option 3 ID : 4410094764826
 Option 4 ID : 4410094764828
 Status : Answered
 Chosen Option : C

Q.38 Which Non-Destructive Testing (NDT) method provides a permanent record of weld inspection?

- Ans ☒ A. Magnetic Particle Testing
☒ B. Radiographic Testing
☒ C. Visual Testing
☒ D. Dye Penetrant Testing

Question ID : 4410091251665
 Option 1 ID : 4410094939780
 Option 2 ID : 4410094939779
 Option 3 ID : 4410094939778
 Option 4 ID : 4410094939781
 Status : Answered
 Chosen Option : B

Q.39 What is the main purpose of preheating a cast iron job before welding?

- Ans ☒ A. To reduce cracking due to distortion
☒ B. To enhance weld bead appearance
☒ C. To speed up cooling
☒ D. To increase hardness

Question ID : 4410091186700
 Option 1 ID : 4410094680971
 Option 2 ID : 4410094680972
 Option 3 ID : 4410094680973
 Option 4 ID : 4410094680970
 Status : Answered
 Chosen Option : A

Q.40 Which of the following is a corrosive flux commonly used in soldering?

- Ans ☒ A. Tallow
☒ B. Resin
☒ C. Rosin
☒ D. Zinc chloride

Question ID : 4410091186659
 Option 1 ID : 4410094680820
 Option 2 ID : 4410094680818
 Option 3 ID : 4410094680819
 Option 4 ID : 4410094680821
 Status : Answered
 Chosen Option : D

Q.41 In an acetylene gas, the carbon percentage is:

- Ans ☒ A. 69.5%
☒ B. 77.6%
☒ C. 92.3%
☒ D. 47.2%

Question ID : 4410091305261
 Option 1 ID : 4410095153114
 Option 2 ID : 4410095153115
 Option 3 ID : 4410095153116
 Option 4 ID : 4410095153113
 Status : Answered
 Chosen Option : B

Q.42 The AC welding supply has:

- Ans ☒ A. high ampere - high voltage
☒ B. high ampere - low voltage
☒ C. high voltage - low ampere
☒ D. low ampere - low voltage

Question ID : 4410091277854
 Option 1 ID : 4410095043409
 Option 2 ID : 4410095043408
 Option 3 ID : 4410095043407
 Option 4 ID : 4410095043410
 Status : Answered
 Chosen Option : A

Q.43 The property of a material by virtue of which it opposes the flow of current passing through it is known as:

- Ans ☒ A. electric capacitance
☒ B. electric conductance
☒ C. electric resistance
☒ D. electric inductance

Question ID : 4410091207860
 Option 1 ID : 4410094764960
 Option 2 ID : 4410094764958
 Option 3 ID : 4410094764959
 Option 4 ID : 4410094764961
 Status : Answered
 Chosen Option : D

Q.44 Which of the following represents a typical temperature range for an electric arc used in general arc welding?

- Ans ☒ A. 3,000-6,000 °C
☒ B. 1,000-2,000 °C
☒ C. 9,000-12,000 °C
☒ D. 15,000-18,000 °C

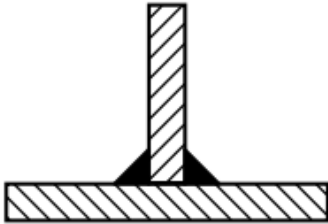
Question ID : 4410091208007
 Option 1 ID : 4410094765551
 Option 2 ID : 4410094765550
 Option 3 ID : 4410094765552
 Option 4 ID : 4410094765553
 Status : Answered
 Chosen Option : A

Q.45 For large production welding, which testing approach is generally more cost-effective?

- Ans ☒ A. 100% Destructive Testing
☒ B. 100% Radiographic Testing
☒ C. 100% Ultrasonic Testing
☒ D. Sampling inspection using NDT

Question ID : 4410091251751
 Option 1 ID : 4410094940473
 Option 2 ID : 4410094940470
 Option 3 ID : 4410094940471
 Option 4 ID : 4410094940472
 Status : Answered
 Chosen Option : B

Q.46 Which type of joint is shown in the given figure?



- Ans
- ☒ A. Edge joint
 - ☒ B. V joint
 - ☒ C. Corner joint
 - ☒ D. Tee joint

Question ID : 4410091283278

Option 1 ID : 4410095064784

Option 2 ID : 4410095064785

Option 3 ID : 4410095064783

Option 4 ID : 4410095064782

Status : Answered

Chosen Option : D

Q.47 Arc welding is a _____ type of welding method.

- Ans
- ☒ A. Solid welding
 - ☒ B. Fusion
 - ☒ C. Non fusion
 - ☒ D. Hard welding

Question ID : 4410091281071

Option 1 ID : 4410095056105

Option 2 ID : 4410095056103

Option 3 ID : 4410095056104

Option 4 ID : 4410095056106

Status : Answered

Chosen Option : B

Q.48 What is the highest temperature that can be produced by a flame of oxygen and acetylene in the Oxy-Acetylene Gas welding process?

- Ans
- ☒ A. 3200°C
 - ☒ B. 2800°C
 - ☒ C. 2000°C
 - ☒ D. 4000°C

Question ID : 4410091281068

Option 1 ID : 4410095056091

Option 2 ID : 4410095056092

Option 3 ID : 4410095056094

Option 4 ID : 4410095056093

Status : Answered

Chosen Option : A

Q.49 In GMAW (Gas Metal Arc Welding), the electrode used is:

- Ans ☒ A. non-consumable tungsten
- ☒ B. consumable bare metal wire
- ☒ C. flux-coated stick electrode
- ☒ D. non-consumable carbon

Question ID : 4410091242406

Option 1 ID : 4410094902980

Option 2 ID : 4410094902982

Option 3 ID : 4410094902983

Option 4 ID : 4410094902981

Status : Answered

Chosen Option : B

Q.50 Due to which of the following factors is an electric arc initiated?

- Ans ☒ A. Molten weld pool
- ☒ B. Frictional force between the electrode and the workpiece
- ☒ C. Excessive heating of the base metal or workpiece
- ☒ D. Flow of electric current through ionised gas or plasma

Question ID : 4410091207956

Option 1 ID : 4410094765334

Option 2 ID : 4410094765335

Option 3 ID : 4410094765336

Option 4 ID : 4410094765337

Status : Answered

Chosen Option : A

Q.51 Which of the following advantages of DC welding is INCORRECT?

- Ans ☒ A. It has less possibility for electrical shock because of less open circuit voltage.
- ☒ B. It can be run with the help of diesel or petrol engine where electrical mains supply is not available.
- ☒ C. It can be used successfully to weld ferrous metals but not non-ferrous metals.
- ☒ D. It can be used for welding thin sheet metal.

Question ID : 4410091277909

Option 1 ID : 4410095043617

Option 2 ID : 4410095043616

Option 3 ID : 4410095043615

Option 4 ID : 4410095043618

Status : Answered

Chosen Option : A

Q.52 In which of the following is straight polarity used?

- Ans ☒ A. Welding in horizontal, vertical and overhead positions
- ☒ B. Welding with bare light coated electrodes
- ☒ C. Welding of non-ferrous metals
- ☒ D. Welding of cast iron

Question ID : 4410091305178

Option 1 ID : 4410095152767

Option 2 ID : 4410095152768

Option 3 ID : 4410095152765

Option 4 ID : 4410095152766

Status : Answered

Chosen Option : A

Q.53 In AWS welding wire codes classification 'E71T-1', the letter 'T' indicates:

- Ans ☒ A. Titanium alloy wire
☒ B. Tungsten electrode
☒ C. Tubular flux-cored electrode
☒ D. Thermally sprayed coating

Question ID : 4410091247520
Option 1 ID : 4410094923285
Option 2 ID : 4410094923284
Option 3 ID : 4410094923283
Option 4 ID : 4410094923286
Status : Answered
Chosen Option : C

Q.54 Which type of carbon steel is difficult to weld due to the risk of forming brittle areas?

- Ans ☒ A. Pearlite steel
☒ B. High-carbon martensitic steel
☒ C. Ferritic steel
☒ D. Austenitic steel

Question ID : 4410091186709
Option 1 ID : 4410094681009
Option 2 ID : 4410094681008
Option 3 ID : 4410094681007
Option 4 ID : 4410094681006
Status : Answered
Chosen Option : B

Q.55 The electric pressure responsible for the flow of current in a circuit is called:

- Ans ☒ A. Frictional Force
☒ B. Electrostatic Force
☒ C. Electromotive Force
☒ D. Gravitational Force

Question ID : 4410091207842
Option 1 ID : 4410094764893
Option 2 ID : 4410094764890
Option 3 ID : 4410094764891
Option 4 ID : 4410094764892
Status : Answered
Chosen Option : B

Q.56 The imaginary line passing through the weld centre lengthwise is known as:

- Ans ☒ A. weld rotation
☒ B. weld slope
☒ C. axis of weld
☒ D. face of weld

Question ID : 4410091305107
Option 1 ID : 4410095152480
Option 2 ID : 4410095152479
Option 3 ID : 4410095152477
Option 4 ID : 4410095152478
Status : Answered
Chosen Option : C

Q.57 Which type of electrode is used in the Gas Tungsten Arc Welding (GTAW) process?

- Ans ☒ A. Shielded metal electrode
☒ B. Consumable metal electrode
☒ C. Flux-cored electrode
☒ D. Non-consumable tungsten electrode

Question ID : 4410091188925
 Option 1 ID : 4410094689945
 Option 2 ID : 4410094689942
 Option 3 ID : 4410094689944
 Option 4 ID : 4410094689943
 Status : Answered
 Chosen Option : D

Q.58 In GMAW (Gas Metal Arc Welding), pure CO₂ shielding gas is most commonly used for welding:

- Ans ☒ A. aluminum alloys
☒ B. copper alloys
☒ C. carbon steels
☒ D. magnesium alloys

Question ID : 4410091249044
 Option 1 ID : 4410094929363
 Option 2 ID : 4410094929365
 Option 3 ID : 4410094929364
 Option 4 ID : 4410094929366
 Status : Answered
 Chosen Option : A

Q.59 Which of the following points is NOT correct about the metal electrode coating used in the shielded metal-arc welding?

- Ans ☒ A. It forms slag by mixing with impurities of the molten metal.
☒ B. It produces a gas that provides a shield around the arc to protect it.
☒ C. It promotes the conduction of electric current across the arc.
☒ D. The slag is heavier and goes inside the molten metal.

Question ID : 4410091281104
 Option 1 ID : 4410095056237
 Option 2 ID : 4410095056236
 Option 3 ID : 4410095056238
 Option 4 ID : 4410095056235
 Status : Answered
 Chosen Option : A

Q.60 Which of the following statements defines the ionisation process in the context of welding?

- Ans ☒ A. Cooling of gases in the arc
☒ B. Striking of arc from the electrode
☒ C. Formation of slag from the molten metal
☒ D. Conversion of gas atoms into charged particles

Question ID : 4410091208089
 Option 1 ID : 4410094765876
 Option 2 ID : 4410094765877
 Option 3 ID : 4410094765874
 Option 4 ID : 4410094765875
 Status : Answered
 Chosen Option : D

Q.61 What is an overlap in welding?

- Ans ☒ A. Molten metal flowing over the parent metal
- ☒ B. A lack of fusion between weld runs
- ☒ C. A type of weld porosity in base metal
- ☒ D. A surface crack in the weld

Question ID : 4410091188891
Option 1 ID : 4410094689809
Option 2 ID : 4410094689807
Option 3 ID : 4410094689806
Option 4 ID : 4410094689808
Status : Answered
Chosen Option : A

Q.62 What does 'excessive penetration' refer to in welding?

- Ans ☒ A. Weld bead spreading outside the joint area
- ☒ B. Greater than required depth of fusion at the root of a grooved joint
- ☒ C. Excessive filler metal deposition
- ☒ D. Incomplete melting at the joint root

Question ID : 4410091186678
Option 1 ID : 4410094680893
Option 2 ID : 4410094680892
Option 3 ID : 4410094680891
Option 4 ID : 4410094680890
Status : Answered
Chosen Option : B

Q.63 Why is proper ventilation necessary in Gas Metal Arc Welding (GMAW)?

- Ans ☒ A. To prevent overheating of electrodes
- ☒ B. To remove welding fumes and gases
- ☒ C. To reduce arc light intensity
- ☒ D. To save shielding gas

Question ID : 4410091243126
Option 1 ID : 4410094905840
Option 2 ID : 4410094905839
Option 3 ID : 4410094905838
Option 4 ID : 4410094905841
Status : Answered
Chosen Option : B

Q.64 What is the ideal storage temperature condition for electrodes?

- Ans ☒ A. 5°C higher than outside shade temperature
- ☒ B. Equal to outside shade temperature
- ☒ C. 5°C lower than outside temperature
- ☒ D. Below freezing point

Question ID : 4410091186692
Option 1 ID : 4410094680944
Option 2 ID : 4410094680943
Option 3 ID : 4410094680942
Option 4 ID : 4410094680945
Status : Answered
Chosen Option : A

Q.65 A major advantage of GMAW (Gas Metal Arc Welding) is:

- Ans ☐ A. it can be used underwater easily
- ☐ B. no shielding is required
- ☐ C. it requires no power supply
- ☒ D. high deposition rate and suitability for automation

Question ID : 4410091242455

Option 1 ID : 4410094903179

Option 2 ID : 4410094903176

Option 3 ID : 4410094903178

Option 4 ID : 4410094903177

Status : Answered

Chosen Option : D

Q.66 Helium shielding gas is most commonly used for welding _____.

- Ans ☐ A. stainless steel only
- ☐ B. carbon steels only
- ☒ C. aluminum, copper and non-ferrous metals
- ☐ D. cast iron only

Question ID : 4410091249020

Option 1 ID : 4410094929270

Option 2 ID : 4410094929267

Option 3 ID : 4410094929268

Option 4 ID : 4410094929269

Status : Answered

Chosen Option : C

Q.67 Which of the following types of butt weld joint is shown in the given figure?



- Ans ☐ A. Single V
- ☒ B. Square butt
- ☐ C. Single U
- ☐ D. Double V

Question ID : 4410091283234

Option 1 ID : 4410095064607

Option 2 ID : 4410095064606

Option 3 ID : 4410095064609

Option 4 ID : 4410095064608

Status : Answered

Chosen Option : B

Q.68 Gas welding is a _____ type of welding method.

- Ans ☒ A. Fusion welding
- ☒ B. Solid-state welding
- ☒ C. Hard welding
- ☒ D. Non-fusion welding

Question ID : 4410091281074
 Option 1 ID : 4410095056115
 Option 2 ID : 4410095056117
 Option 3 ID : 4410095056118
 Option 4 ID : 4410095056116
 Status : Answered
 Chosen Option : A

Q.69 Which of the following is NOT a part of the Gas Metal Arc Welding (GMAW) setup?

- Ans ☒ A. Flux coated electrode
- ☒ B. Wire feeder
- ☒ C. Welding torch
- ☒ D. Gas cylinder

Question ID : 4410091242920
 Option 1 ID : 4410094905021
 Option 2 ID : 4410094905020
 Option 3 ID : 4410094905018
 Option 4 ID : 4410094905019
 Status : Answered
 Chosen Option : A

Q.70 Which of the following welding defects appears when the molten metal from the electrode flows over the parent metal surface without fusing into it?

- Ans ☒ A. Overlap
- ☒ B. Undercut
- ☒ C. Slag inclusion
- ☒ D. Blowhole and porosity

Question ID : 4410091305214
 Option 1 ID : 4410095152922
 Option 2 ID : 4410095152921
 Option 3 ID : 4410095152924
 Option 4 ID : 4410095152923
 Status : Answered
 Chosen Option : D

Section : Engg Drawing and Workshop

Q.1 Which of the following is NOT a type of triangle based on sides?

- Ans ☒ A. Isosceles
☒ B. Equilateral
☒ C. Trapezium
☒ D. Scalene

Question ID : 4410091267506
 Option 1 ID : 4410095002722
 Option 2 ID : 4410095002720
 Option 3 ID : 4410095002723
 Option 4 ID : 4410095002721
 Status : Answered
 Chosen Option : B

Q.2 The mode of heat transfer between solid and fluid is primarily _____.

- Ans ☒ A. radiation
☒ B. conduction
☒ C. diffusion
☒ D. convection

Question ID : 4410091306963
 Option 1 ID : 4410095159605
 Option 2 ID : 4410095159603
 Option 3 ID : 4410095159606
 Option 4 ID : 4410095159604
 Status : Not Answered
 Chosen Option : --

Q.3 What is the main purpose of a drafter in engineering drawing?

- Ans ☒ A. To draw parallel and inclined lines accurately
☒ B. To fix sheets on board
☒ C. To measure dimensions directly
☒ D. To make circles

Question ID : 4410091262740
 Option 1 ID : 4410094983900
 Option 2 ID : 4410094983899
 Option 3 ID : 4410094983902
 Option 4 ID : 4410094983901
 Status : Answered
 Chosen Option : B

Q.4 Which of the following options best describes the relationship of engineering drawing to other technical drawing types?

- Ans ☒ A. It forms the basis for other technical drawings.
☒ B. It is unrelated to other technical drawings.
☒ C. It is only useful in arts and design.
☒ D. It is used only in civil engineering.

Question ID : 4410091262356
 Option 1 ID : 4410094982350
 Option 2 ID : 4410094982349
 Option 3 ID : 4410094982352
 Option 4 ID : 4410094982351
 Status : Answered
 Chosen Option : A

Q.5 A force of 30 kg is required to pull a weight of 300 kg on a horizontal plane. Determine the value of coefficient of friction.

- Ans ☒ A. 0.2
☒ B. 0.3
☒ C. 0.1
☒ D. 0.5

Question ID : 4410091309900
 Option 1 ID : 4410095171211
 Option 2 ID : 4410095171210
 Option 3 ID : 4410095171212
 Option 4 ID : 4410095171213
 Status : Answered
 Chosen Option : B

Q.6 Which of the following is NOT an effect of heat?

- Ans ☒ A. Change in mass
☒ B. Change in state
☒ C. Change in structure
☒ D. Change in size

Question ID : 4410091306756
 Option 1 ID : 4410095158754
 Option 2 ID : 4410095158752
 Option 3 ID : 4410095158753
 Option 4 ID : 4410095158751
 Status : Answered
 Chosen Option : C

Q.7 What is the correct way of viewing an engineering drawing sheet?

- Ans ☒ A. In any random orientation
☒ B. With title block hidden
☒ C. With title block at the bottom right corner
☒ D. With title block at the top left corner

Question ID : 4410091262607
 Option 1 ID : 4410094983366
 Option 2 ID : 4410094983365
 Option 3 ID : 4410094983363
 Option 4 ID : 4410094983364
 Status : Answered
 Chosen Option : C

Q.8 Calculate efficiency if 300 kg effort is applied to lift a load of 900 kg by a simple machine having velocity ratio 4.

- Ans ☒ A. 25%
☒ B. 66.67%
☒ C. 33.33%
☒ D. 75%

Question ID : 4410091307887
 Option 1 ID : 4410095163214
 Option 2 ID : 4410095163212
 Option 3 ID : 4410095163211
 Option 4 ID : 4410095163213
 Status : Answered
 Chosen Option : C

Q.9 Which of the following instruments is NOT usually included in a drawing instrument box?

- Ans ☒ A. Protractor
☒ B. Multimeter
☒ C. Compass
☒ D. Divider

Question ID : 4410091262769
 Option 1 ID : 4410094984018
 Option 2 ID : 4410094984017
 Option 3 ID : 4410094984015
 Option 4 ID : 4410094984016
 Status : Answered
 Chosen Option : A

Q.10 According to BIS SP 46:2003, what is the correct method of folding a drawing sheet?

- Ans ☒ A. Fold sheet randomly to fit in file
☒ B. Roll the sheet without folding
☒ C. Fold systematically so title block is visible
☒ D. Fold such that title block is hidden

Question ID : 4410091262314
 Option 1 ID : 4410094982171
 Option 2 ID : 4410094982174
 Option 3 ID : 4410094982173
 Option 4 ID : 4410094982172
 Status : Answered
 Chosen Option : C

Q.11 Why is engineering drawing considered the language of engineers?

- Ans ☒ A. It replaces spoken language.
☒ B. It uses artistic sketches.
☒ C. It is only used by architects.
☒ D. It communicates ideas universally and accurately.

Question ID : 4410091262346
 Option 1 ID : 4410094982303
 Option 2 ID : 4410094982301
 Option 3 ID : 4410094982304
 Option 4 ID : 4410094982302
 Status : Not Answered
 Chosen Option : --

Q.12 Which of the following is an example of a standard convention used in engineering drawing?

- Ans ☒ A. Showing section with random freehand lines
☒ B. Using dashed lines for hidden edges
☒ C. Drawing centre lines with dotted bold lines
☒ D. Drawing all lines as continuous thick lines

Question ID : 4410091262305
 Option 1 ID : 4410094982138
 Option 2 ID : 4410094982136
 Option 3 ID : 4410094982137
 Option 4 ID : 4410094982135
 Status : Not Answered
 Chosen Option : --

Q.13 What is dimensioning in engineering drawing?

- Ans ☒ A. Indicating size and location of features
- ☒ B. Measuring parts directly from drawing
- ☒ C. Providing only tolerances
- ☒ D. Decorating the drawing

Question ID : 4410091262620

Option 1 ID : 4410094983416

Option 2 ID : 4410094983417

Option 3 ID : 4410094983418

Option 4 ID : 4410094983415

Status : Answered

Chosen Option : B

Q.14 Which of the following options related to speed and velocity is INCORRECT?

- Ans ☒ A. Speed is a scalar quantity.
- ☒ B. Velocity has both magnitude and direction.
- ☒ C. Velocity is a vector quantity.
- ☒ D. Speed is the ratio of displacement travelled by body to time.

Question ID : 4410091305978

Option 1 ID : 4410095155901

Option 2 ID : 4410095155904

Option 3 ID : 4410095155902

Option 4 ID : 4410095155903

Status : Answered

Chosen Option : D

Q.15 Which of the following methods CANNOT be used to draw an ellipse freehand in engineering drawing?

- Ans ☒ A. By making a triangle in the circle
- ☒ B. Concentric circles method
- ☒ C. Rectangle method
- ☒ D. By sketching along major and minor axes

Question ID : 4410091262916

Option 1 ID : 4410094984614

Option 2 ID : 4410094984612

Option 3 ID : 4410094984611

Option 4 ID : 4410094984613

Status : Answered

Chosen Option : A

Q.16 Calculate mechanical advantage if a load of 400 kg is lifted by a machine having an efficiency of 75%. The velocity ratio is 6.

- Ans ☒ A. 4.5
- ☒ B. 5
- ☒ C. 1.5
- ☒ D. 2.5

Question ID : 4410091307912

Option 1 ID : 4410095163312

Option 2 ID : 4410095163314

Option 3 ID : 4410095163311

Option 4 ID : 4410095163313

Status : Answered

Chosen Option : B

Q.17 Which standard angles can be drawn using set squares?

- Ans ☒ A. 15°, 75°
- ☒ B. 30°, 45°, 60°, 90°
- ☒ C. All angles possible
- ☒ D. 10°, 20°, 30°

Question ID : 4410091262843

Option 1 ID : 4410094984313

Option 2 ID : 4410094984312

Option 3 ID : 4410094984314

Option 4 ID : 4410094984311

Status : Answered

Chosen Option : C

Q.18 An iron bridge, 150 m long, is at 20°C. What will the length of the bridge be if the temperature is 40°C? (Coefficient of thermal expansion is $12 \times 10^{-6}/^{\circ}\text{C}$)

- Ans ☒ A. 150.072 m
- ☒ B. 0.036 m
- ☒ C. 149.964 m
- ☒ D. 150.036 m

Question ID : 4410091306511

Option 1 ID : 4410095157762

Option 2 ID : 4410095157759

Option 3 ID : 4410095157761

Option 4 ID : 4410095157760

Status : Answered

Chosen Option : B

Q.19 What does auxiliary dimensioning indicate in engineering drawing?

- Ans ☒ A. Dimensions provided for reference only
- ☒ B. Toleranced dimensions
- ☒ C. Dimensions required for manufacturing
- ☒ D. Dimensions for surface roughness

Question ID : 4410091262615

Option 1 ID : 4410094983396

Option 2 ID : 4410094983397

Option 3 ID : 4410094983395

Option 4 ID : 4410094983398

Status : Answered

Chosen Option : B

Q.20 Which of the following options best defines a geometrical figure in engineering drawing?

- Ans ☒ A. A decorative pattern
- ☒ B. A freehand sketch only
- ☒ C. A symbol in title block
- ☒ D. A form created by combining geometrical elements

Question ID : 4410091263031

Option 1 ID : 4410094985071

Option 2 ID : 4410094985073

Option 3 ID : 4410094985074

Option 4 ID : 4410094985072

Status : Answered

Chosen Option : D

Q.21 Which of the following is a method of splash lubrication?

- Ans ☒ A. Oil can
☒ B. Ring oiling
☒ C. Oil pump method
☒ D. Pressure feed

Question ID : 4410091310121
 Option 1 ID : 4410095172078
 Option 2 ID : 4410095172080
 Option 3 ID : 4410095172079
 Option 4 ID : 4410095172081
 Status : Answered
 Chosen Option : A

Q.22 Which of the following statements is INCORRECT regarding estimation of the requirement of material?

- Ans ☒ A. Estimates decide if the proposed plan matches the funds.
☒ B. It is a method of calculating various quantities and expenditure.
☒ C. Drawings like plans and elevations are essential for preparing an estimate.
☒ D. Estimates are not required in the invitation of tenders and quotations.

Question ID : 4410091310253
 Option 1 ID : 4410095172625
 Option 2 ID : 4410095172622
 Option 3 ID : 4410095172623
 Option 4 ID : 4410095172624
 Status : Not Answered
 Chosen Option : --

Q.23 Which of the following methods can NOT be used to draw a regular polygon freehand?

- Ans ☒ A. Circumscribing around a circle
☒ B. Using construction lines and axes
☒ C. Using a right angle triangle
☒ D. Inscribing in a circle

Question ID : 4410091262976
 Option 1 ID : 4410094984852
 Option 2 ID : 4410094984853
 Option 3 ID : 4410094984854
 Option 4 ID : 4410094984851
 Status : Answered
 Chosen Option : A

Q.24 According to BIS/ISO standards, how are standard drawing sheet sizes (A0, A1, A2, A3, A4) derived?

- Ans ☒ A. By doubling the width while keeping the height constant
☒ B. By reducing each sheet to 4/3rd of the previous one
☒ C. By halving the longer side of the previous sheet
☒ D. By reducing each sheet to 3/4th of the previous one

Question ID : 4410091276611
 Option 1 ID : 4410095038677
 Option 2 ID : 4410095109047
 Option 3 ID : 4410095038676
 Option 4 ID : 4410095038678
 Status : Answered
 Chosen Option : A

Q.25 Pyrometer is also known as _____.

- Ans ☒ A. thermistor
☒ B. resistance temperature detector
☒ C. ammeter
☒ D. radiation thermometer

Question ID : 4410091306892
 Option 1 ID : 4410095159327
 Option 2 ID : 4410095159328
 Option 3 ID : 4410095159330
 Option 4 ID : 4410095159329
 Status : Not Answered
 Chosen Option : --

Q.26 An empty drum weighing 50 kg is resting on a shop floor. Determine the coefficient of friction if a force of 15 kg makes it just move.

- Ans ☒ A. 0.1
☒ B. 0.4
☒ C. 0.2
☒ D. 0.3

Question ID : 4410091310176
 Option 1 ID : 4410095172298
 Option 2 ID : 4410095172301
 Option 3 ID : 4410095172300
 Option 4 ID : 4410095172299
 Status : Answered
 Chosen Option : D

Q.27 Convert 1 kg into British units.

- Ans ☒ A. 4.448 lb
☒ B. 2.205 lb
☒ C. 0.454 lb
☒ D. 1000 gm

Question ID : 4410091309618
 Option 1 ID : 4410095170097
 Option 2 ID : 4410095170095
 Option 3 ID : 4410095170096
 Option 4 ID : 4410095170094
 Status : Answered
 Chosen Option : C

Q.28 What is the value of the centre of gravity of a semicircle measured along a perpendicular radius (r) from the flat side?

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

Question ID : 4410091309689

Option 1 ID : 4410095170388

Option 2 ID : 4410095170386

Option 3 ID : 4410095170389

Option 4 ID : 4410095170387

Status : Answered

Chosen Option : D

Q.29 If $\sin 17^\circ 46' = 0.3051$ and $\sin 17^\circ 45' = 0.3048$, then determine the value of $\sin 17^\circ 45' 13''$.

- Ans
- ☒ A. 0.304865
 - ☒ B. 0.3048
 - ☒ C. 0.305165
 - ☒ D. 0.3099

Question ID : 4410091309468

Option 1 ID : 4410095169500

Option 2 ID : 4410095169498

Option 3 ID : 4410095169499

Option 4 ID : 4410095169501

Status : Answered

Chosen Option : B

Q.30 Calculate kinetic energy of a vehicle of mass 100 kg travelling at a speed of 36 km/hr.

- Ans
- ☒ A. 6.48 kJ
 - ☒ B. 64.8 kJ
 - ☒ C. 5 kJ
 - ☒ D. 10 kJ

Question ID : 4410091305360

Option 1 ID : 4410095153517

Option 2 ID : 4410095153520

Option 3 ID : 4410095153518

Option 4 ID : 4410095153519

Status : Answered

Chosen Option : C

Q.1 A shopkeeper buys a book for ₹200, spends ₹20 on binding and sells it for ₹250. Find his profit or loss percentage. (Round off the answer to one decimal place.)

- Ans ☒ A. 14.7% profit
☒ B. 13.2% profit
☒ C. 14.2% profit
☒ D. 13.6% profit

Question ID : 4410091306918
Option 1 ID : 4410095159430
Option 2 ID : 4410095159428
Option 3 ID : 4410095159427
Option 4 ID : 4410095159429
Status : Answered
Chosen Option : A

Q.2 Find the difference between the compound interest, compounded annually, and simple interest on ₹8,000 at 5% per annum for 2 years.

- Ans ☒ A. ₹20
☒ B. ₹25
☒ C. ₹15
☒ D. ₹30

Question ID : 4410091306884
Option 1 ID : 4410095159287
Option 2 ID : 4410095159289
Option 3 ID : 4410095159288
Option 4 ID : 4410095159290
Status : Answered
Chosen Option : C

Q.3 Seven people A, B, C, D, E, F and G are sitting in a straight line facing north. Only three people sit between E and F. B sits second to the right of A. A is an immediate neighbour of F. C sits to the immediate right of G and is at one of the ends of the line. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which one DOES NOT belong to that group?

- Ans ☒ A. AF
☒ B. BD
☒ C. CG
☒ D. FG

Question ID : 441009755564
Option 1 ID : 4410092976249
Option 2 ID : 4410092976251
Option 3 ID : 4410092976252
Option 4 ID : 4410092976250
Status : Answered
Chosen Option : C

Q.4 If 30% of k is 15 less than 3600% of 25, then k is:

- Ans ☒ A. 2930
☒ B. 2990
☒ C. 2910
☒ D. 2950

Question ID : 441009279718
Option 1 ID : 4410091086832
Option 2 ID : 4410091086834
Option 3 ID : 4410091086833
Option 4 ID : 4410091086831
Status : Answered
Chosen Option : B

Q.5 Salma ranked 12th from the top and 10th from the bottom in his class. How many students are there in his class?

- Ans ☒ A. 21
☒ B. 19
☒ C. 20
☒ D. 22

Question ID : 441009291600
Option 1 ID : 4410091133236
Option 2 ID : 4410091133234
Option 3 ID : 4410091133235
Option 4 ID : 4410091133237
Status : Answered
Chosen Option : B

Q.6 In a certain code language, 'GEAR' is coded as '3615' and 'READ' is coded as '6538'. What is the code for 'D' in that language?

- Ans ☒ A. 1
☒ B. 6
☒ C. 8
☒ D. 5

Question ID : 441009694431
Option 1 ID : 4410092731754
Option 2 ID : 4410092731756
Option 3 ID : 4410092731757
Option 4 ID : 4410092731755
Status : Answered
Chosen Option : D

Q.7 Simplify $66 - [64 - (60 \div 6 - (19 - 39 \div 3) \div 6)]$.

- Ans ☒ A. 8
☒ B. 3
☒ C. 21
☒ D. 11

Question ID : 441009912711
Option 1 ID : 4410093605097
Option 2 ID : 4410093605098
Option 3 ID : 4410093605096
Option 4 ID : 4410093605095
Status : Answered
Chosen Option : C

Q.8 Which of the following is a pair of coprime numbers lying between 25 and 35?

- Ans ☒ A. (27,33)
☒ B. (27,30)
☒ C. (29,34)
☒ D. (26,32)

Question ID : 441009247739

Option 1 ID : 441009964955

Option 2 ID : 441009964957

Option 3 ID : 441009964958

Option 4 ID : 441009964956

Status : Answered

Chosen Option : D

Q.9 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. In three of the following four pairs, the same pattern is applied and hence they form a group. Select the number-pair that DOES NOT belong to this group.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

55 - 30

80 - 55

- Ans ☒ A. 50 - 15
☒ B. 35 - 10
☒ C. 70 - 35
☒ D. 120 - 105

Question ID : 441009590050

Option 1 ID : 4410092315314

Option 2 ID : 4410092315313

Option 3 ID : 4410092315316

Option 4 ID : 4410092315315

Status : Not Answered

Chosen Option : --

Q.10 4 is related to 15 following a certain logic. Following the same logic, 10 is related to 99. To which of the given options is 5 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans ☒ A. 23
☒ B. 27
☒ C. 26
☒ D. 24

Question ID : 441009591127

Option 1 ID : 4410092319621

Option 2 ID : 4410092319624

Option 3 ID : 4410092319623

Option 4 ID : 4410092319622

Status : Not Answered

Chosen Option : --

Q.11 8 is related to 32 following a certain logic. Following the same logic, 12 is related to 48.
To which of the given options is 5 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans ☒ A. 15
☒ B. 20
☒ C. 25
☒ D. 30

Question ID : 441009590399
Option 1 ID : 4410092316709
Option 2 ID : 4410092316710
Option 3 ID : 4410092316711
Option 4 ID : 4410092316712
Status : Not Answered
Chosen Option : --

Q.12 What is the mean proportion of 867 and 243?

- Ans ☒ A. 549
☒ B. 451
☒ C. 459
☒ D. 541

Question ID : 4410091251530
Option 1 ID : 4410094939265
Option 2 ID : 4410094939262
Option 3 ID : 4410094939263
Option 4 ID : 4410094939264
Status : Answered
Chosen Option : C

Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some mops are tubs.
No tub is a cap.

Conclusions:

- (I) Some mops are caps.
(II) Some tubs are mops.

- Ans ☒ A. Neither conclusion (I) nor (II) follows.
☒ B. Only conclusion (II) follows.
☒ C. Only conclusion (I) follows.
☒ D. Both conclusions (I) and (II) follow.

Question ID : 441009694400
Option 1 ID : 4410092731632
Option 2 ID : 4410092731631
Option 3 ID : 4410092731630
Option 4 ID : 4410092731633
Status : Not Answered
Chosen Option : --

Q.14 If third proportional of 10 and 70 be x, then what is the value of x?

- Ans ☒ A. 491
☒ B. 487
☒ C. 490
☒ D. 489

Question ID : 441009278343
 Option 1 ID : 4410091081332
 Option 2 ID : 4410091081333
 Option 3 ID : 4410091081331
 Option 4 ID : 4410091081334
 Status : Answered
 Chosen Option : C

Q.15 Two trains whose lengths are 520 m and 590 m are running towards each other on parallel tracks, one at the rate of 150 km/hr and another at the rate of 120 km/hr. How much time will they take to cross each other? (Rounded off to one decimal place)

- Ans ☒ A. 15.9 seconds
☒ B. 13.7 seconds
☒ C. 14.8 seconds
☒ D. 17.5 seconds

Question ID : 441009273874
 Option 1 ID : 4410091063838
 Option 2 ID : 4410091063837
 Option 3 ID : 4410091063836
 Option 4 ID : 4410091063835
 Status : Answered
 Chosen Option : D

Q.16 What should come in place of the question mark (?) in the given series?

266 212 162 116 74 ?

- Ans ☒ A. 48
☒ B. 40
☒ C. 36
☒ D. 45

Question ID : 441009586899
 Option 1 ID : 4410092302722
 Option 2 ID : 4410092302724
 Option 3 ID : 4410092302725
 Option 4 ID : 4410092302723
 Status : Not Answered
 Chosen Option : --

Q.17 Seven people A, B, C, D, E, F and G are sitting in a straight line, facing north. Only three people sit between E and F. B sits to the second right of A. A is an immediate neighbour of F. C sits to the immediate right of G and is at one of the ends of the line. Who is sitting to the immediate right of B?

- Ans ☒ A. E
☒ B. F
☒ C. G
☒ D. D

Question ID : 441009755565
Option 1 ID : 4410092976253
Option 2 ID : 4410092976255
Option 3 ID : 4410092976256
Option 4 ID : 4410092976254
Status : Not Answered
Chosen Option : --

Q.18 The slant height of a cone is 85 cm and the radius of the circular

$$\left(\text{Take } \pi = \frac{22}{7} \right)$$

- Ans ☒ A. 17842
☒ B. 18472
☒ C. 14872
☒ D. 14782

Question ID : 441009280453
Option 1 ID : 4410091089771
Option 2 ID : 4410091089773
Option 3 ID : 4410091089772
Option 4 ID : 4410091089774
Status : Answered
Chosen Option : A

Q.19 Seven boxes M, N, O, P, S, T and U are kept one over the other but not necessarily in the same order. No box is kept above O. Only three boxes are kept between O and M. Only one box is kept between N and T. T is kept immediately above M. Only four boxes are kept between N and P. S is kept at some place above U. Which box is kept second below S?

- Ans ☒ A. P
☒ B. U
☒ C. M
☒ D. O

Question ID : 44100920465
Option 1 ID : 44100981597
Option 2 ID : 44100981598
Option 3 ID : 44100981595
Option 4 ID : 44100981596
Status : Answered
Chosen Option : A

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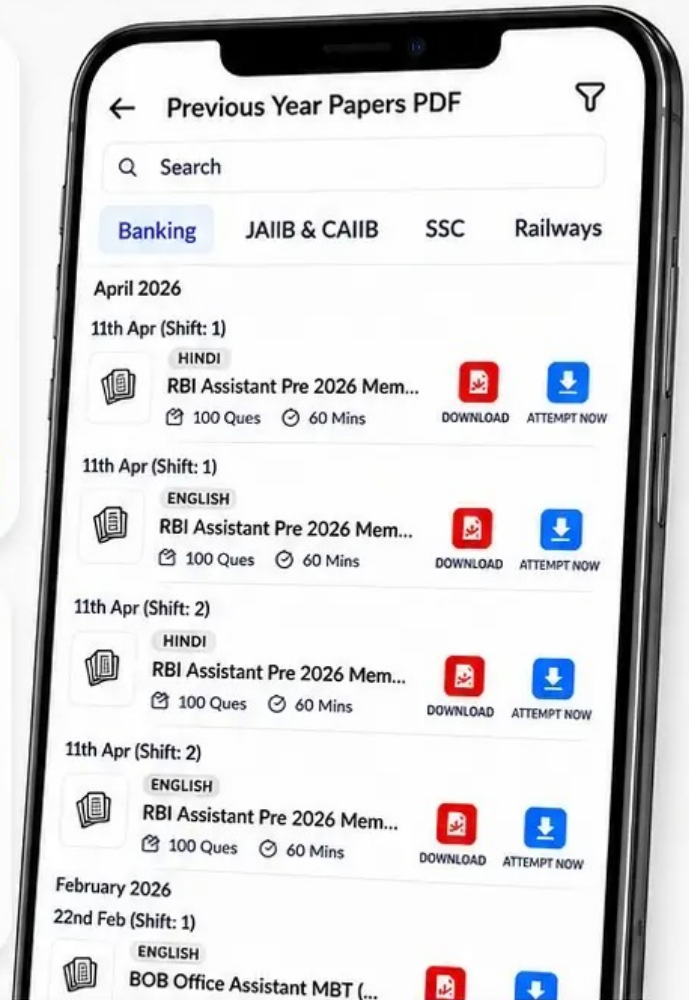
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Q.20 At what rate per cent per annum will ₹8,000 earn ₹3,200 in 4 years under simple interest?

- Ans ☒ A. 9%
☒ B. 8%
☒ C. 10%
☒ D. 12%

Question ID : 4410091306848

Option 1 ID : 4410095159144

Option 2 ID : 4410095159143

Option 3 ID : 4410095159145

Option 4 ID : 4410095159146

Status : Answered

Chosen Option : B

