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ISRO URSC

**Previous Year Paper
Technician B (Welder)
18 Apr, 2024 Shift 2**





भारतीय अंतरिक्ष अनुसंधान संगठन, अंतरिक्ष विभाग
Indian Space Research Organisation, Department of Space
भारत सरकार / Government of India



Participant ID	
Participant Name	
Test Center Name	
Test Date	18/04/2024
Test Time	1:00 PM - 2:30 PM
Subject	Technician B Welder

Section : Technician B Welder

- Q.1 The groove formed along the toe of the weld on one or both sides are called as
- a. Cracks

b. Blow holes

c. Undercut

d. Porosity

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368296
Option 1 ID : 84963633145
Option 2 ID : 84963633146
Option 3 ID : 84963633147
Option 4 ID : 84963633148
Status : Answered
Chosen Option : B

Q.2 An ability of material to absorb energy before fracture is called

- a. Toughness
- b. Brittleness
- c. Elasticity
- d. Plasticity

Ans ☒ A. a

☐ B. b

☐ C. c

☐ D. d

Question ID : 8496368237

Option 1 ID : 84963632909

Option 2 ID : 84963632910

Option 3 ID : 84963632911

Option 4 ID : 84963632912

Status : Answered

Chosen Option : A

Q.3 During arc welding, the electrodes used are generally coated. This is not expected to

- a. Add alloying elements
- b. Provide protective atmosphere to weld
- c. Stabilize the arc during welding
- d. Prevent electrode from contamination

Ans ☐ A. a

☐ B. b

☐ C. c

☒ D. d

Question ID : 8496368302

Option 1 ID : 84963633169

Option 2 ID : 84963633170

Option 3 ID : 84963633171

Option 4 ID : 84963633172

Status : Answered

Chosen Option : C

Q.4

Continuous rails for Indian railways are welded by _____ process

- a. Metal arc welding
- b. Friction welding
- c. Submerged arc welding
- d. Thermit welding

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368307
Option 1 ID : 84963633189
Option 2 ID : 84963633190
Option 3 ID : 84963633191
Option 4 ID : 84963633192
Status : Answered
Chosen Option : D

Q.5

The material used to make precision instruments is

- a. Invar steel
- b. Tool steel
- c. High speed steel
- d. High carbon steel

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368248
Option 1 ID : 84963632953
Option 2 ID : 84963632954
Option 3 ID : 84963632955
Option 4 ID : 84963632956
Status : Answered
Chosen Option : A

- Q.6 The mixture of two or more material in which at least one is metal is called
- a. Alloy
 - b. Composite
 - c. Compound
 - d. None of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368242
Option 1 ID : 84963632929
Option 2 ID : 84963632930
Option 3 ID : 84963632931
Option 4 ID : 84963632932
Status : Answered
Chosen Option : A

- Q.7 The function of bearing cage is
- a. To reduce friction
 - b. To strengthen the rolling elements
 - c. To hold rolling elements in proper position
 - d. To reduce load

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368270
Option 1 ID : 84963633041
Option 2 ID : 84963633042
Option 3 ID : 84963633043
Option 4 ID : 84963633044
Status : Answered
Chosen Option : C

Q.8 A cylindrical tank with internal diameter 1.4 m is filled with water weighing 3080 kg. What is the length of tank in m, assuming the density of water is 1000 Kg/m³ ($\pi=22/7$)

- a. 4
- b. 2
- c. 1
- d. 0.5

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368249
Option 1 ID : 84963632957
Option 2 ID : 84963632958
Option 3 ID : 84963632959
Option 4 ID : 84963632960
Status : Answered
Chosen Option : B

Q.9 The ore used to produce zinc is known as

- a. Calamine
- b. Pyrite
- c. Malachite
- d. Galena

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368240
Option 1 ID : 84963632921
Option 2 ID : 84963632922
Option 3 ID : 84963632923
Option 4 ID : 84963632924
Status : Answered
Chosen Option : C

- Q.10 In DC welding, the straight polarity (electrode negative) results in
- a. Less heating of work piece
 - b. Lower penetration
 - c. Lower deposition rate
 - d. Smaller weld pool

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368300
Option 1 ID : 84963633161
Option 2 ID : 84963633162
Option 3 ID : 84963633163
Option 4 ID : 84963633164
Status : Answered
Chosen Option : B

- Q.11 In acetylene gas welding, which valve should be closed first while extinguishing flame to avoid back fire
- a. Acetylene valve
 - b. Oxygen valve
 - c. Both together
 - d. Any of the valves

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368290
Option 1 ID : 84963633121
Option 2 ID : 84963633122
Option 3 ID : 84963633123
Option 4 ID : 84963633124
Status : Answered
Chosen Option : A

- Q.12 Which one among the following welding processes uses non-consumable electrode
- a. Flux Coated Arc welding (FCAW) b. Submerged Arc welding (SAW)
c. Gas Metal Arc welding (GMAW) d. Gas Tungsten Arc welding (GTAW)

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368305
Option 1 ID : 84963633181
Option 2 ID : 84963633182
Option 3 ID : 84963633183
Option 4 ID : 84963633184
Status : Answered
Chosen Option : D

- Q.13 Which of the following material is used in lapping tool?
- a. Boron carbide b. Zinc
c. Lead d. Aluminium

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368261
Option 1 ID : 84963633005
Option 2 ID : 84963633006
Option 3 ID : 84963633007
Option 4 ID : 84963633008
Status : Answered
Chosen Option : D

Q.14 The welding machine designed to supply both A.C and D.C current for welding ferrous and non-ferrous metals using all types of electrode

- a. Rectifier set b. Transformer set
c. Motor generator set d. Engine generator set

Ans ☒ A. a
☐ B. b
☐ C. c
☐ D. d

Question ID : 8496368277
Option 1 ID : 84963633069
Option 2 ID : 84963633070
Option 3 ID : 84963633071
Option 4 ID : 84963633072
Status : Answered
Chosen Option : D

Q.15 If $a-b = 8$ and $a+b = 24$, then the value of $a^2 + b^2$ is

- a. 256 b. 64
c. 320 d. 576

Ans ☐ A. a
☐ B. b
☒ C. c
☐ D. d

Question ID : 8496368233
Option 1 ID : 84963632893
Option 2 ID : 84963632894
Option 3 ID : 84963632895
Option 4 ID : 84963632896
Status : Answered
Chosen Option : C

Q.16 The welding process in which the weld joint is realized by mere filler and not by melt

- a. Brazing
- b. Diffusion welding
- c. Thermit welding
- d. Ultrasonic welding

Ans  A. a

 B. b

 C. c

 D. d

Question ID : 8496368297

Option 1 ID : 84963633149

Option 2 ID : 84963633150

Option 3 ID : 84963633151

Option 4 ID : 84963633152

Status : Answered

Chosen Option : A

Q.17 The material used to manufacture the cutting tools is

- a. Tool steel
- b. Cast iron
- c. Wrought iron
- d. Stainless steel

Ans  A. a

 B. b

 C. c

 D. d

Question ID : 8496368246

Option 1 ID : 84963632945

Option 2 ID : 84963632946

Option 3 ID : 84963632947

Option 4 ID : 84963632948

Status : Answered

Chosen Option : B

Q.18 The atmospheric air contains 78% nitrogen and 22% oxygen. 1 kg of carbon requires 2.6 kg of oxygen and 1 kg of hydrogen requires 8 kg of oxygen. Calculate the quantity of air required in kg for complete combustion of 5 kg of fuel, if the main constituents in combustion process are carbon and hydrogen.

- a. 181.8
- b. 11.7
- c. 67.9
- d. 240.9

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368230
Option 1 ID : 84963632881
Option 2 ID : 84963632882
Option 3 ID : 84963632883
Option 4 ID : 84963632884
Status : Answered
Chosen Option : C

Q.19 Which one of the following is non-ferrous metal

- a. Mild steel
- b. Aluminium
- c. Cast iron
- d. Carbon steel

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368241
Option 1 ID : 84963632925
Option 2 ID : 84963632926
Option 3 ID : 84963632927
Option 4 ID : 84963632928
Status : Answered
Chosen Option : C

Q.20 Friction

- a. Helps the motion
- b. Doesn't affect the motion
- c. Opposes the motion
- d. None of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368258
Option 1 ID : 84963632993
Option 2 ID : 84963632994
Option 3 ID : 84963632995
Option 4 ID : 84963632996
Status : Answered
Chosen Option : C

Q.21 A copper alloy cast component weighing 75kg has 10% zinc, 76% copper and 14% tin. What is the amount of tin by weight in the alloy

- a. 7.5 kg
- b. 10.5 kg
- c. 5.4 kg
- d. 57 kg

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368231
Option 1 ID : 84963632885
Option 2 ID : 84963632886
Option 3 ID : 84963632887
Option 4 ID : 84963632888
Status : Answered
Chosen Option : B

Q.22 The type of non-destructive test suitable to check the internal defects of weld in high pressure boiler joints

- a. Magnetic particle test
- b. Visual test
- c. Radiographic test
- d. Liquid penetrant test

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368284
Option 1 ID : 84963633097
Option 2 ID : 84963633098
Option 3 ID : 84963633099
Option 4 ID : 84963633100
Status : Answered
Chosen Option : D

Q.23 For establishing a temporary pipe line, the type of joint used is

- a. Collar joint
- b. Flange joint
- c. Screwed joint
- d. Expansion joint

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368273
Option 1 ID : 84963633053
Option 2 ID : 84963633054
Option 3 ID : 84963633055
Option 4 ID : 84963633056
Status : Answered
Chosen Option : B

Q.24 What is the type of motion covered by a particle in a straight line?

- a. two-dimensional
- b. three-dimensional
- c. one-dimensional
- d. Four-dimensional

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368251
Option 1 ID : 84963632965
Option 2 ID : 84963632966
Option 3 ID : 84963632967
Option 4 ID : 84963632968
Status : Answered
Chosen Option : A

Q.25 What is the original rate of flow of fluid through the valve when 6 units of fluid have flown through a valve in an hour when the rate of flow from the valve is increased by 50%?

- a. 2 units/hr.
- b. 6 units/hr.
- c. 12 units/hr.
- d. 4 units/hr.

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368236
Option 1 ID : 84963632905
Option 2 ID : 84963632906
Option 3 ID : 84963632907
Option 4 ID : 84963632908
Status : Answered
Chosen Option : D

Q.26

Which of the gas is not used in laser beam welding with gas laser

- a. Argon
- b. Nitrogen
- c. Helium
- d. Methane

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368306
Option 1 ID : 84963633185
Option 2 ID : 84963633186
Option 3 ID : 84963633187
Option 4 ID : 84963633188
Status : Answered
Chosen Option : D

Q.27

A box load weighing 100 kg is being pulled on a horizontal plane surface, with the coefficient of friction between the surface and the box being 0.2. What is the pulling force in kg?

- a. 20
- b. 50
- c. 200
- d. 500

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368259
Option 1 ID : 84963632997
Option 2 ID : 84963632998
Option 3 ID : 84963632999
Option 4 ID : 84963633000
Status : Answered
Chosen Option : A

Q.28 The filler metal used in brazing has melting point above

- a. 200°C
- b. 420°C
- c. 300°C
- d. 520°C

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368282
Option 1 ID : 84963633089
Option 2 ID : 84963633090
Option 3 ID : 84963633091
Option 4 ID : 84963633092
Status : Answered
Chosen Option : B

Q.29 Which of the following generates electromagnetic field when current is passed through it?

- a. Push button switch
- b. Solenoid
- c. Limit switch
- d. Relay switch

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368255
Option 1 ID : 84963632981
Option 2 ID : 84963632982
Option 3 ID : 84963632983
Option 4 ID : 84963632984
Status : Answered
Chosen Option : B

Q.30 Oxygen cylinder is filled at the pressure of

- a. 120 to 150 kg/cm²
- b. 15 to 16 kg/cm²
- c. 200 to 220 kg/cm²
- d. None of these

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368291

Option 1 ID : 84963633125

Option 2 ID : 84963633126

Option 3 ID : 84963633127

Option 4 ID : 84963633128

Status : Answered

Chosen Option : A

Q.31 Pressure welding process generally used in the sheet metal fabrication is called

- a. Gas welding
- b. Arc welding
- c. Spot welding
- d. Thermit welding

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368292

Option 1 ID : 84963633129

Option 2 ID : 84963633130

Option 3 ID : 84963633131

Option 4 ID : 84963633132

Status : Answered

Chosen Option : C

Q.32

The percentage of chromium in the stainless steel 304L is

- a. 1%
- b. 18%
- c. 5%
- d. 40%

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368238
Option 1 ID : 84963632913
Option 2 ID : 84963632914
Option 3 ID : 84963632915
Option 4 ID : 84963632916
Status : Not Answered
Chosen Option : --

Q.33

One calorie (cal) is equal to ___?

- a. 4.184 J
- b. 6.023 J
- c. 4184 J
- d. 6023 J

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368250
Option 1 ID : 84963632961
Option 2 ID : 84963632962
Option 3 ID : 84963632963
Option 4 ID : 84963632964
Status : Answered
Chosen Option : A

Q.34 Which is not a type of bond in grinding wheel

- a. Silicate bond
- b. Vitrified bond
- c. Covalent bond
- d. Shellac bond

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368267
Option 1 ID : 84963633029
Option 2 ID : 84963633030
Option 3 ID : 84963633031
Option 4 ID : 84963633032
Status : Answered
Chosen Option : C

Q.35 The selection of rivet diameter is based on the thickness of plate to be joined. If 'd' is the diameter of the rivet and 't' is the plate thickness in mm, the general formula for determining the rivet diameter is

- a. $d = 6\sqrt{t}$
- b. $d = 1.2\sqrt{t}$
- c. $d = 4\sqrt{t}$
- d. $d = 2.5\sqrt{t}$

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368276
Option 1 ID : 84963633065
Option 2 ID : 84963633066
Option 3 ID : 84963633067
Option 4 ID : 84963633068
Status : Answered
Chosen Option : D

Q.38 The purpose of nitriding in steel is

- a. To reduce brittleness
- b. To refine the grain structure
- c. To improve ductility
- d. Case hardening

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368247
Option 1 ID : 84963632949
Option 2 ID : 84963632950
Option 3 ID : 84963632951
Option 4 ID : 84963632952
Status : Answered
Chosen Option : D

Q.39 The name of the metal edge in an angle during welding and cutting operations is

- a. Gouging
- b. Kerf
- c. Drag
- d. Bevel

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368279
Option 1 ID : 84963633077
Option 2 ID : 84963633078
Option 3 ID : 84963633079
Option 4 ID : 84963633080
Status : Answered
Chosen Option : D

Q.40

The distortion that occurs along the weld direction is called

- a. Angular distortion
- b. Radial distortion
- c. Transverse distortion
- d. Longitudinal distortion

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368278
Option 1 ID : 84963633073
Option 2 ID : 84963633074
Option 3 ID : 84963633075
Option 4 ID : 84963633076
Status : Answered
Chosen Option : C

Q.41

The current required for resistance spot welding of 1.5mm thickness steel sheets is of the order

- a. 10000 A
- b. 1000 A
- c. 100 A
- d. 10 A

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368301
Option 1 ID : 84963633165
Option 2 ID : 84963633166
Option 3 ID : 84963633167
Option 4 ID : 84963633168
Status : Answered
Chosen Option : C

Q.42 The grade of grinding wheel denotes its

- a. Strength and Hardness
- b. Grit size
- c. Diameter
- d. Thickness

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368264

Option 1 ID : 84963633017

Option 2 ID : 84963633018

Option 3 ID : 84963633019

Option 4 ID : 84963633020

Status : Answered

Chosen Option : A

Q.43

Which of the following is not a factor that causes fire are

- a. Nitrogen
- b. Fuel
- c. Heat
- d. Oxygen

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368256

Option 1 ID : 84963632985

Option 2 ID : 84963632986

Option 3 ID : 84963632987

Option 4 ID : 84963632988

Status : Answered

Chosen Option : A

Q.44 Internal threads are produced by,

- a. Tap
- b. Die
- c. Reamer
- d. Drill bit

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368265
Option 1 ID : 84963633021
Option 2 ID : 84963633022
Option 3 ID : 84963633023
Option 4 ID : 84963633024
Status : Not Answered
Chosen Option : --

Q.45 Parallel pins are also called as_?

- a. Dowel pin
- b. Taper pin
- c. Split pin
- d. Spiral pin

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368269
Option 1 ID : 84963633037
Option 2 ID : 84963633038
Option 3 ID : 84963633039
Option 4 ID : 84963633040
Status : Answered
Chosen Option : C

Q.46

Commonly used material for rivet is

- a. Lead
- b. Plastic
- c. Rubber
- d. Aluminium

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368271
Option 1 ID : 84963633045
Option 2 ID : 84963633046
Option 3 ID : 84963633047
Option 4 ID : 84963633048
Status : Answered
Chosen Option : D

Q.47

Cermets are

- a. Laminated composites
- b. Fiber reinforced composites
- c. Particulate reinforced composite
- d. All of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368244
Option 1 ID : 84963632937
Option 2 ID : 84963632938
Option 3 ID : 84963632939
Option 4 ID : 84963632940
Status : Answered
Chosen Option : D

Q.48

During welding, the penetration can be increased by

- | | |
|---|--|
| a. Increasing welding current & welding speed | b. Increasing welding current & decreasing welding speed |
| c. Decreasing welding current & welding speed | d. Decreasing welding current & increasing welding speed |

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368298
Option 1 ID : 84963633153
Option 2 ID : 84963633154
Option 3 ID : 84963633155
Option 4 ID : 84963633156
Status : Answered
Chosen Option : B

Q.49

Which of the following ray is not produced during welding

- | | |
|------------------|-----------------------|
| a. Gamma rays | b. Visible light rays |
| c. Infrared rays | d. Ultra violet rays |

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368287
Option 1 ID : 84963633109
Option 2 ID : 84963633110
Option 3 ID : 84963633111
Option 4 ID : 84963633112
Status : Answered
Chosen Option : B

Q.50 The type of flame suitable for welding non-ferrous metals like brass and bronze are

- a. Neutral flame
- b. Carburizing flame
- c. Oxidizing flame
- d. Any of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368293

Option 1 ID : 84963633133

Option 2 ID : 84963633134

Option 3 ID : 84963633135

Option 4 ID : 84963633136

Status : Answered

Chosen Option : B

Q.51 The capacitor stores ___?

- a. Charge
- b. Current
- c. Voltage
- d. Power

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368254

Option 1 ID : 84963632977

Option 2 ID : 84963632978

Option 3 ID : 84963632979

Option 4 ID : 84963632980

Status : Answered

Chosen Option : A

Q.52 The process in which larger diameter drill bit is used to enlarge the hole is called,

- a. Counter boring
- b. Reaming
- c. Countersinking
- d. Boring

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368263
Option 1 ID : 84963633013
Option 2 ID : 84963633014
Option 3 ID : 84963633015
Option 4 ID : 84963633016
Status : Answered
Chosen Option : B

Q.53 A train running at speed of 90kmph crosses a tree in 5 sec, What is its length in meter?

- a. 125
- b. 450
- c. 15
- d. 50

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368235
Option 1 ID : 84963632901
Option 2 ID : 84963632902
Option 3 ID : 84963632903
Option 4 ID : 84963632904
Status : Answered
Chosen Option : A

Q.54

Which of the following welding process results in the smallest heat affected zone

- a. Laser beam welding
- b. Gas welding
- c. Thermit welding
- d. Shielded metal arc welding

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368309
Option 1 ID : 84963633197
Option 2 ID : 84963633198
Option 3 ID : 84963633199
Option 4 ID : 84963633200

Status : Answered
Chosen Option : A

Q.55

The symbol used to represent a square butt welded joint is

- a. 
- b. 
- c. 
- d. 

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368275
Option 1 ID : 84963633061
Option 2 ID : 84963633062
Option 3 ID : 84963633063
Option 4 ID : 84963633064

Status : Answered
Chosen Option : A

Q.56

The strength of a brazed joint

- | | |
|---|---|
| a. Decreases with increase in gap between the two joining surfaces | b. Decreases upto certain gap between the two joining surface beyond which it increases |
| c. Increases upto certain gap between the two joining surface beyond which it decreases | d. Increases with increase in gap between the two joining surfaces |

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368304
Option 1 ID : 84963633177
Option 2 ID : 84963633178
Option 3 ID : 84963633179
Option 4 ID : 84963633180
Status : Answered
Chosen Option : B

Q.57

The acetylene gas cylinder is painted with

- | | |
|-----------|----------|
| a. Red | b. Black |
| c. Maroon | d. Blue |

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368285
Option 1 ID : 84963633101
Option 2 ID : 84963633102
Option 3 ID : 84963633103
Option 4 ID : 84963633104
Status : Answered
Chosen Option : C

Q.58

For gas welding using neutral oxyacetylene flame, the acetylene consumption is 10 ltrs, then the oxygen consumption in ltrs is

- a. 10
- b. 5
- c. 8
- d. 12

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368299

Option 1 ID : 84963633157

Option 2 ID : 84963633158

Option 3 ID : 84963633159

Option 4 ID : 84963633160

Status : Answered

Chosen Option : A

Q.59

In oxy-acetylene welding, the flame temperature is in the range of

- a. 2500°C to 2600°C
- b. 1600°C to 1700°C
- c. 2000°C to 2100°C
- d. 3200°C to 3300°C

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368294

Option 1 ID : 84963633137

Option 2 ID : 84963633138

Option 3 ID : 84963633139

Option 4 ID : 84963633140

Status : Answered

Chosen Option : D

Q.60 Fire is a combination of
a. Fuel, Heat and Oxygen
c. Fuel, Light and Oxygen

b. Fuel, Heat and Nitrogen
d. Fuel, Light and Air

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368286
Option 1 ID : 84963633105
Option 2 ID : 84963633106
Option 3 ID : 84963633107
Option 4 ID : 84963633108
Status : Answered
Chosen Option : A

Q.61 The corrosion resistance of alumium is due to
a. Aluminium oxide
c. Manganese

b. Nickel
d. Cobalt

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368245
Option 1 ID : 84963632941
Option 2 ID : 84963632942
Option 3 ID : 84963632943
Option 4 ID : 84963632944
Status : Answered
Chosen Option : C

Q.62

Bolted joint is,

- a. Non-permanent joint
- b. Permanent joint
- c. Both
- d. None of the above

Ans ☒ A. a

☐ B. b

☐ C. c

☐ D. d

Question ID : 8496368268

Option 1 ID : 84963633033

Option 2 ID : 84963633034

Option 3 ID : 84963633035

Option 4 ID : 84963633036

Status : Answered

Chosen Option : A

Q.63

The process in which an oxide layer is formed on surface of metal like aluminium is called

- a. Galvanising
- b. Anodizing
- c. Electroplating
- d. Cladding

Ans ☐ A. a

☒ B. b

☐ C. c

☐ D. d

Question ID : 8496368262

Option 1 ID : 84963633009

Option 2 ID : 84963633010

Option 3 ID : 84963633011

Option 4 ID : 84963633012

Status : Answered

Chosen Option : C

Q.64

'A' working alone, completes a job in 10 days. 'B' is 25% more efficient than 'A'.

How many days will they, working together, take to complete same job?

- a. 34/10
- b. 34/9
- c. 44/10
- d. 44/9

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368234
Option 1 ID : 84963632897
Option 2 ID : 84963632898
Option 3 ID : 84963632899
Option 4 ID : 84963632900
Status : Answered
Chosen Option : D

Q.65

Nickel is added to the steel to improve

- a. ductility
- b. Strength and Hardness
- c. conductivity
- d. toughness

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368239
Option 1 ID : 84963632917
Option 2 ID : 84963632918
Option 3 ID : 84963632919
Option 4 ID : 84963632920
Status : Answered
Chosen Option : A

Q.66

The gib head on gib head key helps in preventing

- a. Axial movement of key
- b. Radial movement of key
- c. Both
- d. None of the above

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368272

Option 1 ID : 84963633049

Option 2 ID : 84963633050

Option 3 ID : 84963633051

Option 4 ID : 84963633052

Status : Not Answered

Chosen Option : --

Q.67

The hand of thread for oxygen and acetylene gas cylinder valves are

- a. Right hand & left hand respectively
- b. Left hand & right hand respectively
- c. Both are right hand
- d. Both are left hand

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496368295

Option 1 ID : 84963633141

Option 2 ID : 84963633142

Option 3 ID : 84963633143

Option 4 ID : 84963633144

Status : Answered

Chosen Option : B

Q.68 Wrinkling is a common defect found in

- a. Deep drawn components b. Bent components
c. Blanked components d. Embossed components

Ans ☒ A. a

☐ B. b

☐ C. c

☐ D. d

Question ID : 8496368274

Option 1 ID : 84963633057

Option 2 ID : 84963633058

Option 3 ID : 84963633059

Option 4 ID : 84963633060

Status : Not Answered

Chosen Option : --

Q.69 $27^{2/3}=?$

- a. 81 b. 7
c. 3 d. 9

Ans ☐ A. a

☐ B. b

☐ C. c

☒ D. d

Question ID : 8496368232

Option 1 ID : 84963632889

Option 2 ID : 84963632890

Option 3 ID : 84963632891

Option 4 ID : 84963632892

Status : Answered

Chosen Option : D

Q.70

Which of the following fire extinguishers is suitable for a wood fire?

- a. Water
- b. Halon
- c. Foam
- d. Liquified chemical

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368257
Option 1 ID : 84963632989
Option 2 ID : 84963632990
Option 3 ID : 84963632991
Option 4 ID : 84963632992
Status : Answered
Chosen Option : B

Q.71

The flux commonly used in brazing is

- a. Borax
- b. Rosin
- c. Lead sulphide
- d. Zinc chloride

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368281
Option 1 ID : 84963633085
Option 2 ID : 84963633086
Option 3 ID : 84963633087
Option 4 ID : 84963633088
Status : Not Answered
Chosen Option : --

Q.72 The process of applying zinc on metal surface to prevent corrosion is called,

- a. Sintering
- b. Electroplating
- c. Galvanising
- d. Cladding

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368260
Option 1 ID : 84963633001
Option 2 ID : 84963633002
Option 3 ID : 84963633003
Option 4 ID : 84963633004
Status : Answered
Chosen Option : C

Q.73 In gas welding, the temperature achieved of a carburizing flame is _____
that of neutral or oxidizing flame

- a. Lower than
- b. Higher than
- c. Equal to
- d. Unrelated to

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368303
Option 1 ID : 84963633173
Option 2 ID : 84963633174
Option 3 ID : 84963633175
Option 4 ID : 84963633176
Status : Answered
Chosen Option : B

- Q.76 The metals having good weldability, in the descending order are
- a. Carbon steel, Iron, Cast steel, Cast Iron b. Cast steel, Iron, Carbon steel, Cast Iron
- c. Iron, Carbon steel, Cast steel, Cast Iron d. Cast Iron, Iron, Carbon steel, Cast Steel

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368288
Option 1 ID : 84963633113
Option 2 ID : 84963633114
Option 3 ID : 84963633115
Option 4 ID : 84963633116
Status : Answered
Chosen Option : C

- Q.77 The weight of the Aluminium plate with length 1m, width 60cm, thickness 20mm and density 2.7 g/cm^3 is
- a. 1.620 kg b. 3.240 kg
- c. 16.20 kg d. 32.40 kg

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368253
Option 1 ID : 84963632973
Option 2 ID : 84963632974
Option 3 ID : 84963632975
Option 4 ID : 84963632976
Status : Answered
Chosen Option : D

Q.78

For welding low carbon steels, the type of coated electrode most widely used are

- a. Cellulose
- b. Rutile
- c. Acidic
- d. Oxide

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368308
Option 1 ID : 84963633193
Option 2 ID : 84963633194
Option 3 ID : 84963633195
Option 4 ID : 84963633196
Status : Answered
Chosen Option : A

Q.79

What is the unit of rotational speed?

- a. m/s^2
- b. rev/s^2
- c. m/s
- d. rev/s

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368252
Option 1 ID : 84963632969
Option 2 ID : 84963632970
Option 3 ID : 84963632971
Option 4 ID : 84963632972
Status : Answered
Chosen Option : D

- Q.80 Transformer , by which the voltage gets down and current gets high is known as
- a. Step up transformer
 - b. Step down transformer
 - c. Both of these
 - d. None of these

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496368289
Option 1 ID : 84963633117
Option 2 ID : 84963633118
Option 3 ID : 84963633119
Option 4 ID : 84963633120
Status : Answered
Chosen Option : B

