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ISRO URSC

**Previous Year Paper
Technician B (Fitter) 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 Fitter

Section : Technician B Fitter

- Q.1 A circular sign board with white symbol on blue background is a
- Mandatory sign
 - Prohibition sign
 - Caution sign
 - Information sign

Ans ☒ A. a

☐ B. b

☐ C. c

☐ D. d

Question ID : 8496367751
Option 1 ID : 84963630965
Option 2 ID : 84963630966
Option 3 ID : 84963630967
Option 4 ID : 84963630968
Status : Answered
Chosen Option : D

- Q.2 The inter-locked air bubbles and pockets in the hydraulic pipe lines and components is called
- Pressure
 - Capillary action
 - Cavitation
 - Gravitation

Ans ☐ A. a

☐ B. b

☒ C. c

☐ D. d

Question ID : 8496367783
Option 1 ID : 84963631093
Option 2 ID : 84963631094
Option 3 ID : 84963631095
Option 4 ID : 84963631096
Status : Answered
Chosen Option : A

Q.3 The included angle of an ISO metric thread is

- a. 50°
- b. 60°
- c. 55°
- d. Both b and c

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367769
Option 1 ID : 84963631037
Option 2 ID : 84963631038
Option 3 ID : 84963631039
Option 4 ID : 84963631040
Status : Answered
Chosen Option : A

Q.4 The type of fire associated with solid materials other than metals and electrical equipment is

- a. CLASS 'B'
- b. CLASS 'C'
- c. CLASS 'A'
- d. CLASS 'D'

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367752
Option 1 ID : 84963630969
Option 2 ID : 84963630970
Option 3 ID : 84963630971
Option 4 ID : 84963630972
Status : Answered
Chosen Option : D

Q.5 The process of developing the pattern for a sheet metal object.

- a. Pattern making
- b. Layout work
- c. Parallel line development
- d. Beading

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367758
Option 1 ID : 84963630993
Option 2 ID : 84963630994
Option 3 ID : 84963630995
Option 4 ID : 84963630996
Status : Answered
Chosen Option : B

- Q.6 एक प्रचालन जिसमें एक छिद्र को दी गई गहराई तक बढ़ा किया जा सके, ताकि सॉकेट शीर्ष के शीर्ष अथवा कैप स्कू को स्थान दिया जा सके को कहते हैं
- a. काउंटरबोरिंग
 - b. काउंटरसिंकिंग
 - c. स्पॉट फेसिंग
 - d. उपरोक्त में से कोई नहीं

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367766

Option 1 ID : 84963631025

Option 2 ID : 84963631026

Option 3 ID : 84963631027

Option 4 ID : 84963631028

Status : Answered

Chosen Option : A

- Q.7 A certain sum of money amounts to Rs 13600 in 4 years and Rs 17200 in 8 years respectively. What is rate of simple interest in %?

a. 7 b. 6 c. 8 d. 9

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367818

Option 1 ID : 84963631233

Option 2 ID : 84963631234

Option 3 ID : 84963631235

Option 4 ID : 84963631236

Status : Answered

Chosen Option : D



Q.8

Example of neutral equilibrium

- a. A ball on a concave surface
- b. A cone resting on its side
- c. Funnel resting on its base
- d. A ball on convex surface

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367811
Option 1 ID : 84963631205
Option 2 ID : 84963631206
Option 3 ID : 84963631207
Option 4 ID : 84963631208
Status : Answered
Chosen Option : A

Q.9 The type of thread more suitable for transmission of motion or power

- a. 'V' threads
- b. Square and Trapezoidal threads
- c. Square threads
- d. Trapezoidal threads

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367788
Option 1 ID : 84963631113
Option 2 ID : 84963631114
Option 3 ID : 84963631115
Option 4 ID : 84963631116
Status : Answered
Chosen Option : A

- Q.10 The tension of a belt when the two pulleys are fixed relative to each other is adjusted by
- Adjusting screw
 - Idler pulley
 - Both a and b
 - Key

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367779
Option 1 ID : 84963631077
Option 2 ID : 84963631078
Option 3 ID : 84963631079
Option 4 ID : 84963631080
Status : Answered
Chosen Option : B

- Q.11 Multi point cutting tools used in lathe are
- Drill bit
 - Reamer
 - Both 'a' and 'b'
 - None of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367784
Option 1 ID : 84963631097
Option 2 ID : 84963631098
Option 3 ID : 84963631099
Option 4 ID : 84963631100
Status : Answered
Chosen Option : C

- Q.12 एक धातु के टुकड़े पर फाइल का प्रयोग करते समय, फाइल के दाँतों के बीच चिप अथवा फाइलिंग्स अटक जाते हैं। इसे कहते हैं
- फाइलों का चिपकना
 - फाइलों का टेथरिंग
 - फाइलों का नीडलिंग
 - फाइलों का पिन्निंग

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367755
Option 1 ID : 84963630981
Option 2 ID : 84963630982
Option 3 ID : 84963630983
Option 4 ID : 84963630984
Status : Answered
Chosen Option : D

Q.13 are used when the drill taper shank is bigger than machine spindle.

- a. Drill chuck
- b. Taper sleeves and sockets
- c. Straight shank drill
- d. All of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367756
Option 1 ID : 84963630985
Option 2 ID : 84963630986
Option 3 ID : 84963630987
Option 4 ID : 84963630988
Status : Not Answered
Chosen Option : --

Q.14

What is the value of $(\sin 30^\circ / \cos^2 60^\circ)$

- a. $1/3$ b. $3/4$ c. $4/3$ d. $2/3$

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367822
Option 1 ID : 84963631249
Option 2 ID : 84963631250
Option 3 ID : 84963631251
Option 4 ID : 84963631252
Status : Answered
Chosen Option : A



Q.15

थर्मोसेट प्लास्टिक का उदाहरण है

- a. विनिल पॉलिमर
- b. पॉलीकार्बोनेट
- c. पॉलीएपॉक्साइड्स
- d. पॉलिसलफोन

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367814
Option 1 ID : 84963631217
Option 2 ID : 84963631218
Option 3 ID : 84963631219
Option 4 ID : 84963631220
Status : Answered
Chosen Option : B

Q.16

An alloy of lead, tin, copper and antimony

- a. Babbit metal
- b. White metal
- c. Bronze
- d. None of the above

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367781
Option 1 ID : 84963631085
Option 2 ID : 84963631086
Option 3 ID : 84963631087
Option 4 ID : 84963631088
Status : Answered
Chosen Option : A

Q.17 The direction of load acting in a journal bearing is to the bearing axis

- a. At right angles
- b. Parallel
- c. Inclined
- d. None of the above

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367778

Option 1 ID : 84963631073

Option 2 ID : 84963631074

Option 3 ID : 84963631075

Option 4 ID : 84963631076

Status : Answered

Chosen Option : B

Q.18 The rate of feed is dependent on

- a. Material to be cut
- b. Type of drill material
- c. The finish required
- d. All of the above

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367786

Option 1 ID : 84963631105

Option 2 ID : 84963631106

Option 3 ID : 84963631107

Option 4 ID : 84963631108

Status : Answered

Chosen Option : C

Q.19

A block of wood weighing 12 kg is on an inclined plane of 60° to horizontal. Find the force in kgf which will just move the block if the coefficient of friction between surfaces is 0.2?

- a. 4.80 b. 2.77 c. 2.40 d. 1.2

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367810

Option 1 ID : 84963631201

Option 2 ID : 84963631202

Option 3 ID : 84963631203

Option 4 ID : 84963631204

Status : Not Answered

Chosen Option : --

Q.20

What is the recommended cutting fluid during drilling of Aluminium?

- a. Sulphurised oil
- b. Kerosene
- c. Dry
- d. Mineral oil

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367824
Option 1 ID : 84963631257
Option 2 ID : 84963631258
Option 3 ID : 84963631259
Option 4 ID : 84963631260
Status : Answered
Chosen Option : C

Q.21

.....are used for making external threading on cylindrical surface.

- a. Dies
- b. Taps
- c. Lathe machine
- d. Both a and c

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367770
Option 1 ID : 84963631041
Option 2 ID : 84963631042
Option 3 ID : 84963631043
Option 4 ID : 84963631044
Status : Answered
Chosen Option : D

Q.22

In a gas welding, the acetylene cylinder is coated withcolour.

- a. Red
- b. Black
- c. Maroon
- d. Green

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367762
Option 1 ID : 84963631009
Option 2 ID : 84963631010
Option 3 ID : 84963631011
Option 4 ID : 84963631012
Status : Answered
Chosen Option : B

Q.23

A motor cycle is sold for Rs 17000 at a loss of 20%.

What is the cost price?

- a. 13600 b. 21250 c. 20400 d. 3400

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367817

Option 1 ID : 84963631229

Option 2 ID : 84963631230

Option 3 ID : 84963631231

Option 4 ID : 84963631232

Status : Answered

Chosen Option : B

Q.24

Which Japanese methodology can be adopted for better shop floor maintenance

- a. 3S concept
b. 5S concept
c. 7S concept
d. 'a' and 'b'

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367750

Option 1 ID : 84963630961

Option 2 ID : 84963630962

Option 3 ID : 84963630963

Option 4 ID : 84963630964

Status : Answered

Chosen Option : B

Q.25

जब वस्तु अनुप्रयुक्त बल की दिशा में संचलित करता है, तो बल तथा संचलित दूरी के गुणनफल को कहते हैं

- a. दाब
b. वेग
c. संवेग
d. वर्क

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367790

Option 1 ID : 84963631121

Option 2 ID : 84963631122

Option 3 ID : 84963631123

Option 4 ID : 84963631124

Status : Answered

Chosen Option : C

Q.26

सामान्यतः स्नेहक का गुण तैलीय होता है और येके रूप में उपलब्ध है

- a. ठोस स्थिति
- b. तरल एवं ठोस
- c. तरल, ठोस एवं अर्ध-तरल
- d. अर्ध-तरल

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367795

Option 1 ID : 84963631141

Option 2 ID : 84963631142

Option 3 ID : 84963631143

Option 4 ID : 84963631144

Status : Answered

Chosen Option : D

Q.27

A cylindrical tank 1 M inside diameter x 24 M long is filled with water. Weight of water approximately in tons is

- a. 19
- b. 76
- c. 24
- d. 48

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367828

Option 1 ID : 84963631273

Option 2 ID : 84963631274

Option 3 ID : 84963631275

Option 4 ID : 84963631276

Status : Answered

Chosen Option : C

Q.28

What is the principal that will yield a compound interest of Rs 2050 in 2 years at 5% rate of interest per annum?

- a. 16320
- b. 20000
- c. 22550
- d. 22600

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367819

Option 1 ID : 84963631237

Option 2 ID : 84963631238

Option 3 ID : 84963631239

Option 4 ID : 84963631240

Status : Answered

Chosen Option : C

Q.29

..... is a tool used to measure the pitch of the thread

- a. Standard wire gauge
- b. Screw pitch gauge
- c. Radius gauge
- d. Feeler gauge

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367797

Option 1 ID : 84963631149

Option 2 ID : 84963631150

Option 3 ID : 84963631151

Option 4 ID : 84963631152

Status : Answered

Chosen Option : A

Q.30

To get reamed finished size, the drilled hole size should be reamer size.

- a. Greater than
- b. Equal to
- c. Greater than and equal to
- d. Smaller than

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367768

Option 1 ID : 84963631033

Option 2 ID : 84963631034

Option 3 ID : 84963631035

Option 4 ID : 84963631036

Status : Answered

Chosen Option : C

Q.31

Identify the standard self-releasing taper

- a. 9/24
- b. 1:20
- c. 7/24
- d. 1/25

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367777

Option 1 ID : 84963631069

Option 2 ID : 84963631070

Option 3 ID : 84963631071

Option 4 ID : 84963631072

Status : Answered

Chosen Option : B

Q.32

A tensile load of 10000 kg is applied on a rectangular rod of 5 cm x 1 cm whose length is 2M. Calculate the elongation in mm if $E = 2 \times 10^6 \text{ kg/cm}^2$

- a. 2 b. 1 c. 0.2 d. 0.1

Ans

- ✓ A. a
✗ B. b
✗ C. c
✗ D. d

Question ID : 8496367816
Option 1 ID : 84963631225
Option 2 ID : 84963631226
Option 3 ID : 84963631227
Option 4 ID : 84963631228
Status : Not Answered
Chosen Option : --

Q.33

In a riveted joint, an operation of pressing the whole surface of the edge of the plate is called

- a. Caulking
b. Fullering
c. Pressing
d. Joining

Ans

- ✗ A. a
✓ B. b
✗ C. c
✗ D. d

Question ID : 8496367763
Option 1 ID : 84963631013
Option 2 ID : 84963631014
Option 3 ID : 84963631015
Option 4 ID : 84963631016
Status : Answered
Chosen Option : D

Q.34

.....is a measure of a metal's ability to withstand scratching, wear, abrasion and penetration.

- a. Tenacity
b. Hardness
c. Toughness
d. Brittleness

Ans

- ✗ A. a
✓ B. b
✗ C. c
✗ D. d

Question ID : 8496367753
Option 1 ID : 84963630973
Option 2 ID : 84963630974
Option 3 ID : 84963630975
Option 4 ID : 84963630976
Status : Answered
Chosen Option : D

Q.35

.....का प्रयोजन पावर स्रोत को विभिन्न यंत्रावलियों से जोड़ना तथा विघटित करना है

- a. क्लच
- b. गियर बॉक्स
- c. ब्रेक
- d. उपरोक्त में से कोई नहीं

Ans

✓ A. a

✗ B. b

✗ C. c

✗ D. d

Question ID : 8496367803

Option 1 ID : 84963631173

Option 2 ID : 84963631174

Option 3 ID : 84963631175

Option 4 ID : 84963631176

Status : Answered

Chosen Option : B

Q.36

Coating factor for heavy quoted electrode is

- a. 1.4 to 1.5
- b. 1.25 to 1.3
- c. 1.6 to 2.2
- d. Above 2.2

Ans

✗ A. a

✗ B. b

✓ C. c

✗ D. d

Question ID : 8496367765

Option 1 ID : 84963631021

Option 2 ID : 84963631022

Option 3 ID : 84963631023

Option 4 ID : 84963631024

Status : Answered

Chosen Option : C

Q.37

तेल की यह तरलता की विशेषता है जो बियरिंग सतह से निचोड़े बिना उच्च दाब अथवा भार को सहन कर सकता है

- a. आद्रता
- b. तैलीयता
- c. विस्कोसिटी
- d. घनत्व

Ans

✗ A. a

✗ B. b

✓ C. c

✗ D. d

Question ID : 8496367787

Option 1 ID : 84963631109

Option 2 ID : 84963631110

Option 3 ID : 84963631111

Option 4 ID : 84963631112

Status : Answered

Chosen Option : D

Q.38 Identify the soldered joint used in sheet metal work.



- a. Lap
- b. Joggled Lap
- c. Abutting Lap
- d. Corner Lap

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367757
Option 1 ID : 84963630989
Option 2 ID : 84963630990
Option 3 ID : 84963630991
Option 4 ID : 84963630992
Status : Answered
Chosen Option : B

Q.39 स्टेलाईट औजार पदार्थ है एवंहै

- a. गैर-धातु
- b. फैरस पदार्थ
- c. नॉन-फैरस पदार्थ
- d. उपरोक्त में से कोई नहीं

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367785
Option 1 ID : 84963631101
Option 2 ID : 84963631102
Option 3 ID : 84963631103
Option 4 ID : 84963631104
Status : Answered
Chosen Option : B

Q.40

The type of drill used for general purpose drilling work

- a. Type S
- b. Type N
- c. Type H
- d. Type F

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367805

Option 1 ID : 84963631181

Option 2 ID : 84963631182

Option 3 ID : 84963631183

Option 4 ID : 84963631184

Status : Answered

Chosen Option : A

Q.41

क्रीप एवं स्लिपेज के बिना स्थिरांक वेग अनुपात पर गति संचरण हेतु प्रयुक्त ड्राइव प्रणाली है

- a. पट्टी ड्राइव प्रणाली
- b. रोप ड्राइव प्रणाली
- c. चेन ड्राइव प्रणाली
- d. पट्टी एवं चेन ड्राइव प्रणाली

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367804

Option 1 ID : 84963631177

Option 2 ID : 84963631178

Option 3 ID : 84963631179

Option 4 ID : 84963631180

Status : Answered

Chosen Option : B

Q.42

For a double start thread, the lead is the pitch of the thread

- a. Equal to
- b. Less than
- c. Twice
- d. Four times

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367807

Option 1 ID : 84963631189

Option 2 ID : 84963631190

Option 3 ID : 84963631191

Option 4 ID : 84963631192

Status : Answered

Chosen Option : C

Q.43 Cap screws are manufactured to.....tolerance than to machine bolts.

- a. Closer
- b. looser
- c. equal
- d. slack

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367799

Option 1 ID : 84963631157

Option 2 ID : 84963631158

Option 3 ID : 84963631159

Option 4 ID : 84963631160

Status : Answered

Chosen Option : C

Q.44

In a right angled triangle ABC, Angle at C is 90° .

If AB=50mm, and angle B is 60° , what is the length of BC?

- a. 43.3 b. 25 c. 28.8 d. 86.6

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367823

Option 1 ID : 84963631253

Option 2 ID : 84963631254

Option 3 ID : 84963631255

Option 4 ID : 84963631256

Status : Answered

Chosen Option : D

Q.45

If $X - 1/X = 6$, What is the value of $X^4 + 1/X^4$

- a. 1446 b. 1444 c. 1442 d. 1424

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367812

Option 1 ID : 84963631209

Option 2 ID : 84963631210

Option 3 ID : 84963631211

Option 4 ID : 84963631212

Status : Answered

Chosen Option : A

Q.46 In a grinding wheel designation, the parameter which shows the strength of the bond is

- a. Grit size
- b. Grade
- c. Grain
- d. Structure

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367808

Option 1 ID : 84963631193

Option 2 ID : 84963631194

Option 3 ID : 84963631195

Option 4 ID : 84963631196

Status : Answered

Chosen Option : B

Q.47 A metal strip designated as ISST 1200mm x 3.5mm as per Indian standard, 1200mm represents.....

- a. Length
- b. Thickness
- c. Width
- d. Diameter

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367759

Option 1 ID : 84963630997

Option 2 ID : 84963630998

Option 3 ID : 84963630999

Option 4 ID : 84963631000

Status : Answered

Chosen Option : A

Q.48 In a standard system of limits and fits, where the size of the hole is kept constant and the size of the shaft is varied to get the different class of fits, then it is known as.....

- a. Shaft basis system
- b. Hole basis system
- c. Basic hole
- d. Basic shaft

Ans ☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367780

Option 1 ID : 84963631081

Option 2 ID : 84963631082

Option 3 ID : 84963631083

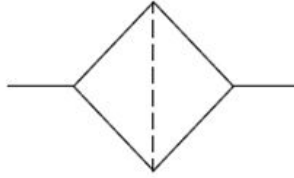
Option 4 ID : 84963631084

Status : Not Answered

Chosen Option : --

Q.49

Identify the pneumatic symbol



- a. Dryer
- b. Lubricator
- c. Filter
- d. Pneumatic motor

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367800

Option 1 ID : 84963631161

Option 2 ID : 84963631162

Option 3 ID : 84963631163

Option 4 ID : 84963631164

Status : Answered

Chosen Option : C

Q.50

One of the precautions to be observed during the lapping process is

- a. Keep the lap moist always.
- b. Apply excessive pressure while lapping
- c. Dwell in the same place while lapping
- d. All of the above

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367796

Option 1 ID : 84963631145

Option 2 ID : 84963631146

Option 3 ID : 84963631147

Option 4 ID : 84963631148

Status : Answered

Chosen Option : D

Q.51

The surface roughness expected from Lapping Process is

- a. $1.6 - 20 \mu\text{m}$
- b. $6.3 - 100 \mu\text{m}$
- c. $0.012 - 0.16 \mu\text{m}$
- d. $0.32 - 1.5 \mu\text{m}$

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367767
Option 1 ID : 84963631029
Option 2 ID : 84963631030
Option 3 ID : 84963631031
Option 4 ID : 84963631032
Status : Answered
Chosen Option : B

Q.52

सोल्डर फ्लक्स का चयनपर आधारित होता है

- a. सोल्डर का कार्यकारी तापमान
- b. सोल्डर करने की प्रक्रिया
- c. जोड़ की जानेवाली सामग्री
- d. उपरोक्त सभी

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367761
Option 1 ID : 84963631005
Option 2 ID : 84963631006
Option 3 ID : 84963631007
Option 4 ID : 84963631008
Status : Answered
Chosen Option : A

Q.53

A 80mm long, 'V' Block capable of clamping work part having diameters between 10 to 50mm, supplied with matched pairs and grade 'A' will be designated as;

- a. 'V' Block M 80/10-50 A - I.S.4929.
- b. 'V' Block M 10-50 / 80 A - I.S.2949.
- c. 'V' Block M 80/10-50 A - I.S.2949.
- d. None of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367754
Option 1 ID : 84963630977
Option 2 ID : 84963630978
Option 3 ID : 84963630979
Option 4 ID : 84963630980
Status : Answered
Chosen Option : B

- Q.54 The cutting fluids offer the functions such as
- Preventing the chips from getting welded to the tool cutting edge
 - To flush away the chips
 - Lubrication action to reduce friction between chip and the tool face
 - All of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367802
Option 1 ID : 84963631169
Option 2 ID : 84963631170
Option 3 ID : 84963631171
Option 4 ID : 84963631172
Status : Answered
Chosen Option : D

- Q.55 Overheating of the drill may be due to
- Too high cutting speed and feed rate
 - Drill is not sharp
 - Point angle is not correct
 - All of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367771
Option 1 ID : 84963631045
Option 2 ID : 84963631046
Option 3 ID : 84963631047
Option 4 ID : 84963631048
Status : Answered
Chosen Option : A

Q.56 113° F in Kelvin is

- a. 45 b. 354 c. 318 d. 386

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367826
Option 1 ID : 84963631265
Option 2 ID : 84963631266
Option 3 ID : 84963631267
Option 4 ID : 84963631268
Status : Answered
Chosen Option : A

Q.57

Kinetic energy of a mass of 1000 gm moving with a velocity of 10 meter /sec in joules is

- a. 5000 b. 500 c. 50 d. 5

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367829

Option 1 ID : 84963631277

Option 2 ID : 84963631278

Option 3 ID : 84963631279

Option 4 ID : 84963631280

Status : Not Answered

Chosen Option : --

Q.58

दो पाइप जिनके छोर में अतिरिक्त थ्रेड हैं, को सीधे लाइन में जोड़ना है। जोड़ने के लिए किस पाइप तत्व का प्रयोग किया जा रहा है।

- a. प्लग
b. कैपस्
c. युग्मन
d. एलबी

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367794

Option 1 ID : 84963631137

Option 2 ID : 84963631138

Option 3 ID : 84963631139

Option 4 ID : 84963631140

Status : Answered

Chosen Option : C

Q.59

What is the nominal tensile stress of the screw whose property class is mentioned as 7.9

- a. 790 N/mm²
b. 700 MPa
c. 900 MPa
d. 79 MPa

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367773

Option 1 ID : 84963631053

Option 2 ID : 84963631054

Option 3 ID : 84963631055

Option 4 ID : 84963631056

Status : Answered

Chosen Option : A

Q.60

Identify the tool



- a. Open end spanner
- b. Single end ring spanner
- c. Hook spanner
- d. Pull out pin

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367791

Option 1 ID : 84963631125

Option 2 ID : 84963631126

Option 3 ID : 84963631127

Option 4 ID : 84963631128

Status : Answered

Chosen Option : C

Q.61

A.C वोल्टेज ट्रांसफार्मर मुख्यतः ट्रांसफार्मर है, जिसमें मुख्य निवेश वोल्टता 220V से 440V तक है।

- a. स्टेप अप
- b. स्टेप डाउन
- c. स्टीप स्टेप
- d. उपरोक्त में से कोई नहीं

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367764

Option 1 ID : 84963631017

Option 2 ID : 84963631018

Option 3 ID : 84963631019

Option 4 ID : 84963631020

Status : Answered

Chosen Option : B

Q.62

The compound interest on a sum of Rs 20000 at 8% per annum is Rs 3328. The period in years is?

- a. 3.0
- b. 1.5
- c. 2
- d. 2.5

Ans

- ☒ A. a
- ☒ B. b
- ☒ C. c
- ☒ D. d

Question ID : 8496367820

Option 1 ID : 84963631241

Option 2 ID : 84963631242

Option 3 ID : 84963631243

Option 4 ID : 84963631244

Status : Not Answered

Chosen Option : --

Q.63

A helical spring is loaded with a force of 600 N and is compressed by 20mm. What is the load required in Newton to compress by 8 mm?

- a. 240 b. 150 c. 1500 d. 37.5

Ans

✓ A. a

✗ B. b

✗ C. c

✗ D. d

Question ID : 8496367815

Option 1 ID : 84963631221

Option 2 ID : 84963631222

Option 3 ID : 84963631223

Option 4 ID : 84963631224

Status : Not Answered

Chosen Option : --

Q.64

चालकत्व का यूनिट है

a. ओम

b. ऐम्पियर

c. सीमेन्ज़

d. ओम मीटर

Ans

✗ A. a

✗ B. b

✓ C. c

✗ D. d

Question ID : 8496367825

Option 1 ID : 84963631261

Option 2 ID : 84963631262

Option 3 ID : 84963631263

Option 4 ID : 84963631264

Status : Answered

Chosen Option : C

- Q.65 A nut used where frequent adjustment or removal is needed and can be loosened or tightened rapidly without the need of a wrench / spanner.
- a. Wing nut
 - b. Split nut
 - c. Chuck nut
 - d. None of the above

Ans ☒ A. a

☐ B. b

☐ C. c

☐ D. d

Question ID : 8496367772

Option 1 ID : 84963631049

Option 2 ID : 84963631050

Option 3 ID : 84963631051

Option 4 ID : 84963631052

Status : Answered

Chosen Option : A

- Q.66 The point angle of a general purpose drill bit

a. 116°

b. 119°

c. 115°

d. 118°

Ans ☐ A. a

☐ B. b

☐ C. c

☒ D. d

Question ID : 8496367806

Option 1 ID : 84963631185

Option 2 ID : 84963631186

Option 3 ID : 84963631187

Option 4 ID : 84963631188

Status : Answered

Chosen Option : D



Q.67 Identify the type of sheet metal joint



- a. Plain Lap joint
- b. Inside Lap joint
- c. Outside Lap joint
- d. Sunk Lap joint

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367760
Option 1 ID : 84963631001
Option 2 ID : 84963631002
Option 3 ID : 84963631003
Option 4 ID : 84963631004
Status : Answered
Chosen Option : C

Q.68 is defined as the ratio between pitch diameter to the number of teeth of a gear

- a. Velocity ratio
- b. Addendum
- c. Land
- d. Module

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367782
Option 1 ID : 84963631089
Option 2 ID : 84963631090
Option 3 ID : 84963631091
Option 4 ID : 84963631092
Status : Answered
Chosen Option : A

Q.69

..... is a destructive type of testing

- a. Eddy current inspection
- b. Liquid (Dye) penetrant inspection
- c. Magnetic particle inspection
- d. Stress testing

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367792
Option 1 ID : 84963631129
Option 2 ID : 84963631130
Option 3 ID : 84963631131
Option 4 ID : 84963631132
Status : Answered
Chosen Option : A

Q.70

Specific gravity of Diesel Oil is

- a. 0.71 b. 1.0 c. 0.83 d. 1.2

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367827
Option 1 ID : 84963631269
Option 2 ID : 84963631270
Option 3 ID : 84963631271
Option 4 ID : 84963631272
Status : Not Answered
Chosen Option : --

Q.71

A pipe is bent to 90° with mean radius of 100mm. What is the length of curved portion?

- a. 78.54 mm
- b. 39.27 mm
- c. 157.08 mm
- d. 314.16 mm

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367789
Option 1 ID : 84963631117
Option 2 ID : 84963631118
Option 3 ID : 84963631119
Option 4 ID : 84963631120
Status : Answered
Chosen Option : C

- Q.72 जैसे ही तार का व्यास कम होता जाता है, एक मानक तार गेज में गेज संख्या
- a. परिवर्तित नहीं होता है
 - b. कम होता है
 - c. बढ़ जाता है
 - d. उपरोक्त में से कोई नहीं

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367775
Option 1 ID : 84963631061
Option 2 ID : 84963631062
Option 3 ID : 84963631063
Option 4 ID : 84963631064
Status : Answered
Chosen Option : A

- Q.73 Sine bars are used when a high degree of accuracy to less than one minute is needed for
- a. Measuring angles
 - b. Marking out
 - c. Both a & b
 - d. None of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367776
Option 1 ID : 84963631065
Option 2 ID : 84963631066
Option 3 ID : 84963631067
Option 4 ID : 84963631068
Status : Answered
Chosen Option : C

- Q.74 The process of shaping the grinding wheel to make it run concentric with shaft axis on which it is mounted is called
- a. Tuning
 - b. Truing
 - c. Dressing
 - d. Glazing

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367809
Option 1 ID : 84963631197
Option 2 ID : 84963631198
Option 3 ID : 84963631199
Option 4 ID : 84963631200
Status : Answered
Chosen Option : A

Q.75

$(6p^2 \times 4p \times 5p^3 \times 2p) / (8p^5 \times 20p)$ is

- a. $2p^2$ b. $2/3p$ c. $3p^2/2$ d. $3p/2$

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367813
Option 1 ID : 84963631213
Option 2 ID : 84963631214
Option 3 ID : 84963631215
Option 4 ID : 84963631216
Status : Answered
Chosen Option : A

Q.76 Identify the optical elements / aids used during mechanical inspection of an item

- a. Magnifying glass
b. Fibro scopes
c. Microscopes
d. All of the above

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367793
Option 1 ID : 84963631133
Option 2 ID : 84963631134
Option 3 ID : 84963631135
Option 4 ID : 84963631136
Status : Answered
Chosen Option : A

Q.77 Following gears are used to transmit motion and power between parallel shafts

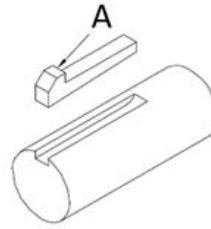
- a. Spur gears and helical gears
b. Bevel gears
c. Rack and pinion
d. Spiral gears

Ans ☒ A. a
☒ B. b
☒ C. c
☒ D. d

Question ID : 8496367801
Option 1 ID : 84963631165
Option 2 ID : 84963631166
Option 3 ID : 84963631167
Option 4 ID : 84963631168
Status : Answered
Chosen Option : B

Q.78

Identify the type of key marked as 'A'



- a. Gib-head key
- b. Taper Key
- c. Woodruff Key
- d. None of the above

Ans

✓ A. a

✗ B. b

✗ C. c

✗ D. d

Question ID : 8496367774

Option 1 ID : 84963631057

Option 2 ID : 84963631058

Option 3 ID : 84963631059

Option 4 ID : 84963631060

Status : Answered

Chosen Option : B

Q.79

A scooter worth Rs 50000 is insured at a cost Rs 4000. How much will it cost to insure a vehicle worth Rs 40000 for two years at the same rate?

- a. 6400 b. 3200 c. 8000 d. 2300

Ans

✓ A. a

✗ B. b

✗ C. c

✗ D. d

Question ID : 8496367821

Option 1 ID : 84963631245

Option 2 ID : 84963631246

Option 3 ID : 84963631247

Option 4 ID : 84963631248

Status : Not Answered

Chosen Option : --

Q.80

A parallel key with rounded ends is called

- a. Gib head key
- b. Circular key
- c. Feather key
- d. Flat saddle key

Ans

☒ A. a

☒ B. b

☒ C. c

☒ D. d

Question ID : 8496367798

Option 1 ID : 84963631153

Option 2 ID : 84963631154

Option 3 ID : 84963631155

Option 4 ID : 84963631156

Status : Answered

Chosen Option : B

