



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 एक हेलिकल स्प्रिंग 600 N के बल के साथ लदा हुआ है तथा 20 एम.एम. से संपीडित है। 8 एम.एम. से संपीडित करने के लिए न्यूटन में अपेक्षित भार कितना होगा ?

- 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 : Answered
Chosen Option : C

Q.2 The surface roughness expected from Lapping Process is

- a. 1.6 – 20 μm
b. 6.3 – 100 μm
c. 0.012 - 0.16 μm
d. 0.32 – 1.5 μm

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 : A

Q.3 A drive system used for motion transmission at constant velocity ratio without creep & slippage

- a. Belt drive system
- b. Rope drive system
- c. Chain drive system
- d. Belt and chain drive system

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 : C

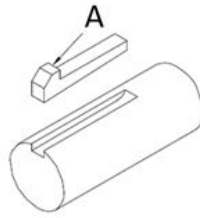
Q.4 One of the precautions to be observed during the lapping process is

- 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 : B

Q.5 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 : A

Q.6 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 : D

Q.7 As the diameter of the wire decreases, the gauge number in a standard wire gauge

- a. Doesn't change
- b. Decreases
- c. Increases
- d. None of the above

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 : C

Q.8 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 : C

Q.9

Example of thermoset plastic is

- a. Vinyl polymer
- b. Polycarbonates
- c. Polyepoxides
- d. Polysulfone

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 : A

Q.10

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.11 An A.C welding transformer is basically atransformer, given the main input voltage as 220V to 440V.

- a. STEP UP
- b. STEP DOWN
- c. STEEP STEP
- d. NONE OF THE ABOVE

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 : A

Q.12 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 : A

Q.13 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 : C

Q.14 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.15 The purpose of the is to connect or disconnect various mechanisms to the power source.

- a. Clutch
- b. Gear box
- c. brake
- d. None of the above

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 : A

Q.16

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 : B

Q.17 The inter-locked air bubbles and pockets in the hydraulic pipe lines and components is called

- a. Pressure
- b. Capillary action
- c. Cavitation
- d. 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 : C

Q.18 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 : Answered
Chosen Option : B

Q.19 Lubricants generally have oily property and they are available in the form of.....

- a. Solid state
- b. Fluids and solids
- c. Fluids, solids and semi-fluids
- d. Semi-fluids

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 : C

Q.20 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.21 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.22 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.23

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 : A

Q.24

The tension of a belt when the two pulleys are fixed relative to each other is adjusted by

- a. Adjusting screw
- b. Idler pulley
- c. Both a and b
- d. 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.25

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 : B

Q.26

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 : B

Q.27is 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 : C

Q.28

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 : Not Answered
Chosen Option : --

Q.29

Unit of conductance is

- a. Ohm
- b. Ampere
- c. Siemens
- d. Ohm metre

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 : D

Q.30 Identify the soldered joint used in sheet metal work.

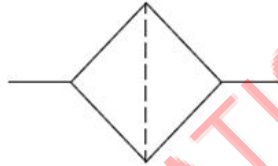


- a. Lap
- b. Joggled Lap
- c. Abutting Lap
- d. Corner Lap

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.31 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 : B

Q.32 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.33 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 : A

Q.34 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 : B

Q.35 Multi point cutting tools used in lathe are

- a. Drill bit
- b. Reamer
- c. Both 'a' and 'b'
- d. 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 : A

Q.36 113⁰ 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 : C

Q.37

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 : B

Q.38

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 : A

Q.39 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.40are 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 : A

Q.41 Overheating of the drill may be due to

- a. Too high cutting speed and feed rate
- b. Drill is not sharp
- c. Point angle is not correct
- d. 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 : D

Q.42 When the object moves in the direction of applied force, the product of force and the distance moved is called

- a. Pressure
- b. Velocity
- c. Momentum
- d. Work

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 : D

Q.43 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 : B

Q.44 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 : A

Q.45 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 : B

Q.46 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 : Answered
Chosen Option : C

Q.47 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.48 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 : A

Q.49 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 : C

Q.50 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.51 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 : A

Q.52 A circular sign board with white symbol on blue background is a

- a. Mandatory sign
- b. Prohibition sign
- c. Caution sign
- d. 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 : C

Q.53 Stellite is a tool material and is a

- a. Non-metal
- b. Ferrous material
- c. Non-ferrous material
- d. None of the above

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 : C

Q.54 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 : Answered
Chosen Option : C

Q.55 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 : A

Q.56 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 : Answered
Chosen Option : A

Q.57 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.58 The cutting fluids offer the functions such as

- a. Preventing the chips from getting welded to the tool cutting edge
- b. To flush away the chips
- c. Lubrication action to reduce friction between chip and the tool face
- d. 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.59 While using a file on a metal piece, the chips or filings will clog between teeth of files. This is known as;

- a. Sticking of files
- b. Tethering of files
- c. Needling of files
- d. Pinning of files

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.60 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 : D

Q.61 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 : B

Q.62 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.63 An operation of enlarging a hole to a given depth, to house heads of socket heads or cap screws is called

- a. Counterboring
- b. Countersinking
- c. Spot facing
- d. None of the above

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.64

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

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 : Not Answered

Chosen Option : --

Q.65 It is the fluidity of an oil by virtue of which it can withstand high pressure or load without squeezing out from the bearing surface.

- a. Wetness
- b. Oiliness
- c. Viscosity
- d. Density

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 : C

Q.66 Two pipes having external thread at their ends need to be joined in a straight line. Which pipe element is used for joining.

- a. Plug
- b. Caps
- c. Coupling
- d. Elbow

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 : A

Q.67 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.68 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.69 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.70 एक मोटर साइकिल की बिक्री 20% के घाटे पर ₹.17000 के लिए हुई।
लागत कीमत क्या है?

- 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.71 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.72

कुछ रुपयों का योगफल क्रमशः 4 वर्षों में ₹.13600 है तथा 8 वर्षों में ₹.17200 है। % में सामान्य ब्याज का दर क्या है ?

- 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.73

मूल क्या होगा जो प्रति वर्ष 5% दर के ब्याज पर 2 वर्षों में ₹.2050 की चक्रवृद्धि ब्याज की लब्धि देगा ?

- 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 : B

Q.74 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 : C

Q.75 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 : A

Q.76 Selection of solder flux depends on

- a. Working temperature of the solder
- b. Soldering process
- c. Material to be joined
- d. All of the above

- 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 : C

Q.77

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 : Answered
Chosen Option : C

Q.78 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 : B

Q.79

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 : Not Answered
Chosen Option : --

Q.80

एक सूक्टर जिसका मूल्य ₹.50000 के बराबर है की बीमा ₹.4000 के लागत पर की गई है। इसी दर पर दो वर्षों के लिए ₹.40000 के मूल्य वाले वाहन की बीमा करने के लिए कितनी लागत होगी ?

- 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 : Answered

Chosen Option : C

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