

MPPGCL 1st June 2024

Participant ID	
Participant Name	
Test Center Name	
Test Date	01/06/2024
Test Time	4:30 PM - 6:30 PM
Subject	Plant Assistant Mechanical

Section : Section 1

Q.1 Select the most appropriate ANTONYM for the given word.

Exhilarating

- Ans 1. Boring
 2. Peaceful
 3. Thrilling
 4. Dangerous

Question ID : 630680628578
Option 1 ID : 6306802460368
Option 2 ID : 6306802460369
Option 3 ID : 6306802460366
Option 4 ID : 6306802460367

Status : Answered

Chosen Option : 1

Q.2 Each vowel in the word FORTUNE is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. How many letters are common between the original word and the group of letters thus formed?

- Ans 1. 2
 2. 4
 3. 3
 4. 1

Question ID : 630680534995
Option 1 ID : 6306802091365
Option 2 ID : 6306802091367
Option 3 ID : 6306802091366
Option 4 ID : 6306802091364

Status : Answered

Chosen Option : 4

Q.3 Which of the following statements is NOT a safety and environmental guideline given to workers in workshops?

- Ans 1. Workers should wear clean clothes while working.
2. Workers should use the safety belt while working on heights.
3. Workers should keep the environment of the workshop dirty and unclean.
4. Workers should wear helmets and gloves.

Question ID : 630680808282

Option 1 ID : 6306803166735

Option 2 ID : 6306803166736

Option 3 ID : 6306803166738

Option 4 ID : 6306803166737

Status : Answered

Chosen Option : 3

Q.4 Which type of file has the edges along the width parallel throughout the length?

- Ans 1. Hand file
2. Single cut file
3. Bastard file
4. Rasp cut file

Question ID : 630680808293

Option 1 ID : 6306803166781

Option 2 ID : 6306803166780

Option 3 ID : 6306803166782

Option 4 ID : 6306803166779

Status : Answered

Chosen Option : 1

Q.5 Which ministry of India regulates the registration, monitoring and controlling authoring of any automobile in India?

- Ans 1. Ministry of Civil Aviation
2. Ministry of Human Resource Development
3. Ministry of Road Transport and Highways
4. Ministry of Labour and Employment

Question ID : 630680808285

Option 1 ID : 6306803166747

Option 2 ID : 6306803166749

Option 3 ID : 6306803166748

Option 4 ID : 6306803166750

Status : Answered

Chosen Option : 3

Q.6 The Vernier bevel protractor measures angles to an accuracy of:

- Ans 1. 5' (minute)
2. 5" (inch)
3. 5° (degree)
4. 0.5° (degree)

Question ID : 630680808294

Option 1 ID : 6306803166784

Option 2 ID : 6306803166785

Option 3 ID : 6306803166783

Option 4 ID : 6306803166786

Status : Answered

Chosen Option : 1

Q.7 यदि एक खुदरा विक्रेता किसी वस्तु को अंकित मूल्य पर बेचता है, तो उसे 16% का लाभ होता है। यदि वह अंकित मूल्य पर 10% की छूट देता है, तो उस वस्तु पर उसका वास्तविक लाभ कितना होगा?

- Ans
- 1. 4.6%
 - 2. 5.5%
 - 3. 6.2%
 - 4. 7.1%

Question ID : 630680239477
Option 1 ID : 630680928861
Option 2 ID : 630680928860
Option 3 ID : 630680928859
Option 4 ID : 630680928862
Status : Answered
Chosen Option : 3

Q.8 Which of the following statements comes under Personal Safety?

- Ans
- 1. Check the oil level before starting the machine.
 - 2. Use the correct tools for the given job.
 - 3. Stop the machine before taking measurements.
 - 4. Wear safety boots or shoes.

Question ID : 630680808281
Option 1 ID : 6306803166732
Option 2 ID : 6306803166734
Option 3 ID : 6306803166733
Option 4 ID : 6306803166731
Status : Answered
Chosen Option : 4

Q.9 What does the following warning sign indicate?



- Ans
- 1. School
 - 2. Give way
 - 3. Risk of electric shock
 - 4. Guarded

Question ID : 630680808284
Option 1 ID : 6306803166744
Option 2 ID : 6306803166743
Option 3 ID : 6306803166746
Option 4 ID : 6306803166745
Status : Answered
Chosen Option : 3

Q.10 The scriber in the Universal surface gauge is held with the help of which part?

- Ans
- 1. Guide pin
 - 2. Rocker arm
 - 3. Snug
 - 4. Spindle

Question ID : 630680808295

Option 1 ID : 6306803166790

Option 2 ID : 6306803166788

Option 3 ID : 6306803166787

Option 4 ID : 6306803166789

Status : Answered

Chosen Option : 3

Q.11 Which of the following topics are included in the online training program conducted by National Power Training Institute?

- Ans
- 1. Smart grid and smart metering, solar photo voltaic technology, cyber security
 - 2. Regulatory commissions
 - 3. Consumer grievance redressal
 - 4. Energy audit, losses and minimisation

Question ID : 630680808358

Option 1 ID : 6306803167039

Option 2 ID : 6306803167041

Option 3 ID : 6306803167040

Option 4 ID : 6306803167042

Status : Answered

Chosen Option : 4

Q.12 UNFCC is an International organisation that focuses on reducing global warming. What is the full form of UNFCC?

- Ans
- 1. United Nations Framework Convention on Climate Change
 - 2. United Nations Framework to Combat with the Climate Change
 - 3. United Nations Fund to Conserve and Combat the Change
 - 4. United Nations Fund to Combat the Climate Change

Question ID : 630680267854

Option 1 ID : 6306801040784

Option 2 ID : 6306801040783

Option 3 ID : 6306801040785

Option 4 ID : 6306801040786

Status : Answered

Chosen Option : 2

Q.13 Select the correct statement regarding preventive maintenance in a workshop?

- Ans
- 1. Preventive maintenance results in production loss.
 - 2. Preventive maintenance is undertaken only before breakdown.
 - 3. Preventive maintenance is undertaken only after breakdown.
 - 4. Preventive maintenance results in more 'down time'.

Question ID : 630680808287

Option 1 ID : 6306803166755

Option 2 ID : 6306803166757

Option 3 ID : 6306803166756

Option 4 ID : 6306803166758

Status : Answered

Chosen Option : 2

Q.14 Wood, paper and cloth are classified under which type of fire?

- Ans 1. Class 'A' fire
 2. Class 'B' fire
 3. Class 'D' fire
 4. Class 'C' fire

Question ID : 630680808290

Option 1 ID : 6306803166769

Option 2 ID : 6306803166767

Option 3 ID : 6306803166768

Option 4 ID : 6306803166770

Status : Answered

Chosen Option : 1

Q.15 In the measurement of length, 1μ (micron) = ?

- Ans 1. 0.1 mm
 2. 0.01 mm
 3. 0.001 mm
 4. 0.0001 mm

Question ID : 630680808291

Option 1 ID : 6306803166773

Option 2 ID : 6306803166772

Option 3 ID : 6306803166771

Option 4 ID : 6306803166774

Status : Answered

Chosen Option : 3

Q.16 The least counts of outside micrometer and Vernier caliper, respectively, are _____.

- Ans 1. 0.01 mm and 0.05 mm
 2. 0.02 mm and 0.04 mm
 3. 0.05 mm and 0.05 mm
 4. 0.01 mm and 0.02 mm

Question ID : 630680808288

Option 1 ID : 6306803166759

Option 2 ID : 6306803166761

Option 3 ID : 6306803166760

Option 4 ID : 6306803166762

Status : Answered

Chosen Option : 4

Q.17 What is the colour code of bins for waste glass segregation?

- Ans 1. Blue
 2. Yellow
 3. Green
 4. Red

Question ID : 630680808289

Option 1 ID : 6306803166766

Option 2 ID : 6306803166765

Option 3 ID : 6306803166763

Option 4 ID : 6306803166764

Status : Answered

Chosen Option : 2

Q.18 Which is the best device for control and safe disposal of toxic waste and dust?

- Ans
- 1. Waste oil
 - 2. Compressed air jet
 - 3. Wire brush
 - 4. Vacuum cleaner

Question ID : 630680808286

Option 1 ID : 6306803166754

Option 2 ID : 6306803166752

Option 3 ID : 6306803166753

Option 4 ID : 6306803166751

Status : Answered

Chosen Option : 4

Q.19 When was 'The Factory Act' passed by the legislature?

- Ans
- 1. 1968
 - 2. 1948
 - 3. 1958
 - 4. 1938

Question ID : 630680808283

Option 1 ID : 6306803166742

Option 2 ID : 6306803166740

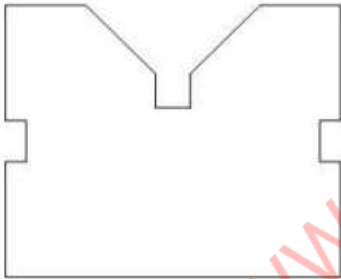
Option 3 ID : 6306803166741

Option 4 ID : 6306803166739

Status : Answered

Chosen Option : 2

Q.20 Which type of 'V' Block is shown in the given figure?



- Ans
- 1. Single level single groove 'V' Block
 - 2. Single level double groove 'V' Block
 - 3. Double level single groove 'V' Block
 - 4. V grooved 'V' Block

Question ID : 630680808298

Option 1 ID : 6306803166800

Option 2 ID : 6306803166799

Option 3 ID : 6306803166801

Option 4 ID : 6306803166802

Status : Answered

Chosen Option : 1

Section : Section 2

Q.1 In marking media, 'marking blue' is made by mixing a blue-based colour with:

- Ans 1. lead powder
 2. methylated spirit
 3. chalk powder
 4. copper sulphate

Question ID : 630680808297
Option 1 ID : 6306803166797
Option 2 ID : 6306803166795
Option 3 ID : 6306803166796
Option 4 ID : 6306803166798
Status : Answered
Chosen Option : 4

Q.2 Select the correct order in terms of thermal conductivity value of the metals in [W/(m.K)]

- Ans 1. Gold > Copper > Silver
 2. Silver > Copper > Gold
 3. Copper > Gold > Silver
 4. Copper > Silver > Gold

Question ID : 630680808301
Option 1 ID : 6306803166811
Option 2 ID : 6306803166814
Option 3 ID : 6306803166813
Option 4 ID : 6306803166812
Status : Answered
Chosen Option : 1

Q.3 Which type of comparator is fast, rigid, accurate and suitable for use on the shop floor especially in mass production?

- Ans 1. Mechanical comparator
 2. Electrical comparator
 3. Pneumatic comparator
 4. Sigma comparator

Question ID : 630680808307
Option 1 ID : 6306803166836
Option 2 ID : 6306803166838
Option 3 ID : 6306803166835
Option 4 ID : 6306803166837
Status : Answered
Chosen Option : 3

Q.4 Solar Photo Voltaic based stand-alone systems under the SAUBHAGYA Yojana provides _____ LED lights.

- Ans 1. five
 2. three
 3. seven
 4. two

Question ID : 630680808359
Option 1 ID : 6306803167045
Option 2 ID : 6306803167044
Option 3 ID : 6306803167046
Option 4 ID : 6306803167043
Status : Answered
Chosen Option : 4

Q.5 What is the range of metric screw thread dimension is measured by Screw thread micrometre?

- Ans
- 1. M 1 to M 8
 - 2. M 1 to M 24
 - 3. M 1 to M 10
 - 4. M 1 to M 30

Question ID : 630680808300
Option 1 ID : 6306803166809
Option 2 ID : 6306803166810
Option 3 ID : 6306803166807
Option 4 ID : 6306803166808
Status : Answered
Chosen Option : 4

Q.6 Which of the following is a 'Marking Tool' in the sheet metal work?

- Ans
- 1. Snips
 - 2. Try square
 - 3. Combination set
 - 4. Radius gauge

Question ID : 630680808312
Option 1 ID : 6306803166857
Option 2 ID : 6306803166855
Option 3 ID : 6306803166858
Option 4 ID : 6306803166856
Status : Answered
Chosen Option : 3

Q.7 In power saw, the rotary motion of the motor is converted into linear motion by:

- Ans
- 1. crank mechanism
 - 2. worm gear
 - 3. rack and pinion
 - 4. pulley mechanism

Question ID : 630680808304
Option 1 ID : 6306803166824
Option 2 ID : 6306803166823
Option 3 ID : 6306803166826
Option 4 ID : 6306803166825
Status : Answered
Chosen Option : 1

Q.8 Which mechanical property of a metal is a measure of its ability to withstand scratching, wear, abrasion and penetration?

- Ans
- 1. Malleability
 - 2. Hardness
 - 3. Ductility
 - 4. Elasticity

Question ID : 630680808303
Option 1 ID : 6306803166821
Option 2 ID : 6306803166819
Option 3 ID : 6306803166820
Option 4 ID : 6306803166822
Status : Answered
Chosen Option : 2

Q.9 The accuracy of a digital micrometer is:

- Ans 1. 0.0001 mm
 2. 0.0005 mm
 3. 0.0002 mm
 4. 0.001 mm

Question ID : 630680808305

Option 1 ID : 6306803166827

Option 2 ID : 6306803166828

Option 3 ID : 6306803166830

Option 4 ID : 6306803166829

Status : Answered

Chosen Option : 1

Q.10 To retain their accuracy, surface plates are generally made of which material?

- Ans 1. Copper
 2. Granite
 3. Zinc
 4. Aluminium

Question ID : 630680808299

Option 1 ID : 6306803166803

Option 2 ID : 6306803166806

Option 3 ID : 6306803166805

Option 4 ID : 6306803166804

Status : Answered

Chosen Option : 2

Q.11 According to which of the following Articles of the Indian Constitution, the Speaker of the House may permit any member who cannot adequately express himself in Hindi or English to address the House in his mother tongue?

- Ans 1. Article 109
 2. Article 350
 3. Article 120
 4. Article 234

Question ID : 630680325280

Option 1 ID : 6306801265497

Option 2 ID : 6306801265500

Option 3 ID : 6306801265498

Option 4 ID : 6306801265499

Status : Answered

Chosen Option : 1

Q.12 What is the purpose of the hardening process?

- Ans 1. After hardening, metal becomes less hardened.
 2. It relieves internal stresses.
 3. It decreases brittleness.
 4. It adds cutting ability.

Question ID : 630680808309

Option 1 ID : 6306803166846

Option 2 ID : 6306803166845

Option 3 ID : 6306803166844

Option 4 ID : 6306803166843

Status : Answered

Chosen Option : 4

Q.13 दिए गए संख्या युग्मों में दूसरी संख्या, पहली संख्या पर कुछ गणितीय संक्रियाएँ करके प्राप्त की जाती है। किन संख्याओं को X और Y को प्रतिस्थापित करना चाहिए ताकि :: के बायीं ओर की दो संख्याओं द्वारा अनुसरित पैटर्न, :: के दायीं ओर की संख्याओं द्वारा अनुसरित पैटर्न के समान हो?
(नोट: संख्याओं को उसके घटक अंकों में तोड़े बिना, पूर्ण संख्याओं पर गणितीय संक्रियाएँ की जानी चाहिए। उदाहरण के लिए 13 - 13 पर संक्रियाएँ जैसे कि 13 में जोड़ना/घटाना/गुणा करना आदि की जा सकती हैं। 13 को 1 और 3 में तोड़ने और फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है।)

X : 47 :: 11 : Y

- Ans
- 1. X = 9, Y = 121
 - 2. X = 9, Y = 119
 - 3. X = 7, Y = 121
 - 4. X = 7, Y = 119

Question ID : 630680360240

Option 1 ID : 6306801402880

Option 2 ID : 6306801402878

Option 3 ID : 6306801402879

Option 4 ID : 6306801402877

Status : Answered

Chosen Option : 1

Q.14 What annual instalment (in ₹) will discharge a debt of ₹15,300 due in two years at 12.5% simple interest per annum?

- Ans
- 1. 7200
 - 2. 7150
 - 3. 7650
 - 4. 6800

Question ID : 630680323382

Option 1 ID : 6306801258037

Option 2 ID : 6306801258039

Option 3 ID : 6306801258036

Option 4 ID : 6306801258038

Status : Answered

Chosen Option : 4

Q.15 The colour of copper metal is:

- Ans
- 1. black
 - 2. distinctive grey
 - 3. indigo
 - 4. distinctive red

Question ID : 630680808296

Option 1 ID : 6306803166792

Option 2 ID : 6306803166794

Option 3 ID : 6306803166793

Option 4 ID : 6306803166791

Status : Answered

Chosen Option : 4

Q.16 Mechanical Shearing Machines are used for cutting sheets up to _____ thickness.

- Ans 1. 6 mm
 2. 75 mm
 3. 50 mm
 4. 100 mm

Question ID : 630680808313
Option 1 ID : 6306803166862
Option 2 ID : 6306803166860
Option 3 ID : 6306803166861
Option 4 ID : 6306803166859
Status : Answered
Chosen Option : 4

Q.17 An outside micrometre has a negative error of 0.02 mm. What is the correct reading when the micrometre measures 15.25 mm?

- Ans 1. 15.25 mm
 2. 15.27 mm
 3. 15.29 mm
 4. 15.23 mm

Question ID : 630680808292
Option 1 ID : 6306803166776
Option 2 ID : 6306803166778
Option 3 ID : 6306803166777
Option 4 ID : 6306803166775
Status : Answered
Chosen Option : 2

Q.18 The table of radial drilling machine may be rotated through:

- Ans 1. 360°
 2. 45°
 3. 180°
 4. 90°

Question ID : 630680808308
Option 1 ID : 6306803166841
Option 2 ID : 6306803166842
Option 3 ID : 6306803166840
Option 4 ID : 6306803166839
Status : Answered
Chosen Option : 3

Q.19 Select the option that expresses the given sentence in passive voice.

Rosy will take a photograph.

- Ans 1. A photograph will been taken by Rosy.
 2. A photograph will be taken by Rosy.
 3. A photograph was taken by Rosy.
 4. A photograph may be taken by Rosy.

Question ID : 630680274340
Option 1 ID : 6306801065872
Option 2 ID : 6306801065874
Option 3 ID : 6306801065871
Option 4 ID : 6306801065873
Status : Answered
Chosen Option : 2

Q.20 Which of the following is the most ductile in nature?

- Ans 1. Gold
 2. Nickel
 3. Copper
 4. Aluminium

Question ID : 630680808302
 Option 1 ID : 6306803166817
 Option 2 ID : 6306803166818
 Option 3 ID : 6306803166816
 Option 4 ID : 6306803166815
 Status : Answered
 Chosen Option : 1

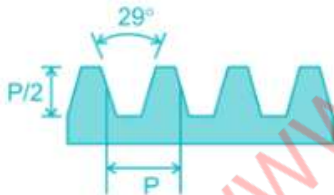
Section : Section 3

Q.1 The total cost outlay for the component of Deendayal Upadhyaya Gram Jyoti Yojana comprising of rural electrification is _____.

- Ans 1. ₹46,792 crore
 2. ₹32,567 crore
 3. ₹39,275 crore
 4. ₹12,389 crore

Question ID : 630680808360
 Option 1 ID : 6306803167050
 Option 2 ID : 6306803167048
 Option 3 ID : 6306803167047
 Option 4 ID : 6306803167049
 Status : Answered
 Chosen Option : 2

Q.2 Which type of thread is shown in the given figure?



- Ans 1. Buttress thread
 2. Acme thread
 3. Square thread
 4. Knuckle thread

Question ID : 630680808317
 Option 1 ID : 6306803166876
 Option 2 ID : 6306803166877
 Option 3 ID : 6306803166875
 Option 4 ID : 6306803166878
 Status : Answered
 Chosen Option : 2

Q.3 Select the most appropriate option to fill in the blank.

Open the door, _____?.

- Ans 1. will you
 2. do you
 3. should you
 4. dare you

Question ID : 630680164632

Option 1 ID : 630680637640

Option 2 ID : 630680637641

Option 3 ID : 630680637643

Option 4 ID : 630680637642

Status : Answered

Chosen Option : 3

Q.4 In which inspection is a visual study of a particular system done, estimating the deficiencies and checking structural defects of the particular system?

- Ans 1. Finished product inspection
 2. Floor inspection
 3. Visual and detailed inspection
 4. Capacity inspection

Question ID : 630680808329

Option 1 ID : 6306803166926

Option 2 ID : 6306803166924

Option 3 ID : 6306803166923

Option 4 ID : 6306803166925

Status : Answered

Chosen Option : 3

Q.5 In a machine reamer, what is the drill size for reaming a 15 mm hole if over size is 0.05 mm and under size is 0.25 mm?

- Ans 1. 15.30 mm
 2. 15.05 mm
 3. 15 mm
 4. 14.70 mm

Question ID : 630680808316

Option 1 ID : 6306803166871

Option 2 ID : 6306803166873

Option 3 ID : 6306803166872

Option 4 ID : 6306803166874

Status : Answered

Chosen Option : 4

Q.6 S, T, U, V, E, F और G एक वृत्ताकार मेज के चारों ओर केंद्र की ओर अभिमुख होकर बैठे हैं। S, V के ठीक दाएँ बैठा है। S के बाएँ से गिनने पर, S और E के बीच केवल तीन व्यक्ति बैठे हैं। V और T के बीच केवल तीन व्यक्ति बैठे हैं। G, F के ठीक दाएँ बैठा है। F के बाएँ से गिनने पर, U और F के बीच कुल कितने व्यक्ति बैठे हैं?

- Ans
- 1. चार
 - 2. दो
 - 3. एक
 - 4. तीन

Question ID : 630680776225
Option 1 ID : 6306803042716
Option 2 ID : 6306803042714
Option 3 ID : 6306803042713
Option 4 ID : 6306803042715
Status : Answered
Chosen Option : 2

Q.7 Select the correct statement regarding 'Interchangeability' in production.

- Ans
- 1. The tendency of defected part is reduced.
 - 2. It increases idle time of machine.
 - 3. It decreases production output.
 - 4. It takes more time to change the part.

Question ID : 630680808324
Option 1 ID : 6306803166905
Option 2 ID : 6306803166903
Option 3 ID : 6306803166906
Option 4 ID : 6306803166904
Status : Answered
Chosen Option : 2

Q.8 The size range of a wing compass generally lies between:

- Ans
- 1. 50 mm and 200 mm
 - 2. 5 mm and 20 mm
 - 3. 5 mm and 15 mm
 - 4. 10 mm and 20 mm

Question ID : 630680808306
Option 1 ID : 6306803166834
Option 2 ID : 6306803166833
Option 3 ID : 6306803166831
Option 4 ID : 6306803166832
Status : Answered
Chosen Option : 1

Q.9 Where was the Communist Party of India founded in 1925?

- Ans 1. Kanpur
 2. Delhi
 3. Mumbai
 4. Kolkata

Question ID : 630680350909
Option 1 ID : 6306801365928
Option 2 ID : 6306801365926
Option 3 ID : 6306801365927
Option 4 ID : 6306801365925
Status : Answered
Chosen Option : 4

Q.10 Which of the following is a cube of a whole number greater than $\sqrt[3]{2197}$?

- Ans 1. 3385
 2. 3136
 3. 2475
 4. 2744

Question ID : 630680541195
Option 1 ID : 6306802115813
Option 2 ID : 6306802115812
Option 3 ID : 6306802115810
Option 4 ID : 6306802115811
Status : Answered
Chosen Option : 4

Q.11 Which scraper is used for scraping small diameter holes and deburring edges of accurate holes?

- Ans 1. Triangular scraper
 2. Bull-nose scraper
 3. Hook scraper
 4. Flat scraper

Question ID : 630680808315
Option 1 ID : 6306803166868
Option 2 ID : 6306803166869
Option 3 ID : 6306803166870
Option 4 ID : 6306803166867
Status : Answered
Chosen Option : 1

Q.12 Which of the following is a removable type foundation bolt?

- Ans 1. Bent type
 2. Eye foundation bolt
 3. Rawl bolt
 4. Rag bolt

Question ID : 630680808323
Option 1 ID : 6306803166902
Option 2 ID : 6306803166900
Option 3 ID : 6306803166901
Option 4 ID : 6306803166899
Status : Answered
Chosen Option : 3

Q.13 Select the correct statement regarding a bench grinder.

- Ans 1. Both coarse grinding wheels are mounted on both ends.
2. One coarse and one fine grinding wheel are mounted on both ends.
3. No grinding wheels are mounted on both ends.
4. Both fine grinding wheels are mounted on both ends.

Question ID : 630680808320

Option 1 ID : 6306803166888

Option 2 ID : 6306803166887

Option 3 ID : 6306803166890

Option 4 ID : 6306803166889

Status : Answered

Chosen Option : 1

Q.14 Calculate the blank size for cutting the external thread of M12 × 1.75 through dies.
(pitch of thread = 1.75 mm)

- Ans 1. 11.825 mm
2. 12 mm
3. 12.175 mm
4. 13.75 mm

Question ID : 630680808318

Option 1 ID : 6306803166880

Option 2 ID : 6306803166881

Option 3 ID : 6306803166879

Option 4 ID : 6306803166882

Status : Answered

Chosen Option : 1

Q.15 What is the height of slip gauges required for an angle of 25° using a sine bar length of 200 mm? ($\sin 25^\circ = 0.4226$)

- Ans 1. 150 mm
2. 473.260 mm
3. 84.52 mm
4. 200 mm

Question ID : 630680808321

Option 1 ID : 6306803166893

Option 2 ID : 6306803166891

Option 3 ID : 6306803166894

Option 4 ID : 6306803166892

Status : Answered

Chosen Option : 3

Q.16 What is the carbon percentage in wrought iron?

- Ans 1. 5% to 8%
2. 0.02% to 0.03%
3. 3% to 4%
4. 1% to 2%

Question ID : 630680808327

Option 1 ID : 6306803166918

Option 2 ID : 6306803166917

Option 3 ID : 6306803166916

Option 4 ID : 6306803166915

Status : Answered

Chosen Option : 2

Q.17 In the specification of a grinding wheel '51 A 46 H 5 V 8', what are 'H' and 'V' representing here?

- Ans
- 1. H = Type of bond; V = Grade
 - 2. H = Grade; V = Type of bond
 - 3. H = Grain size; V = Type of bond
 - 4. H = Grade; V = Grain size

Question ID : 630680808314

Option 1 ID : 6306803166863

Option 2 ID : 6306803166866

Option 3 ID : 6306803166865

Option 4 ID : 6306803166864

Status : Answered

Chosen Option : 2

Q.18 What is the angle of counter sinking for countersink self-tapping screws?

- Ans
- 1. 45°
 - 2. 30°
 - 3. 120°
 - 4. 80°

Question ID : 630680808311

Option 1 ID : 6306803166853

Option 2 ID : 6306803166852

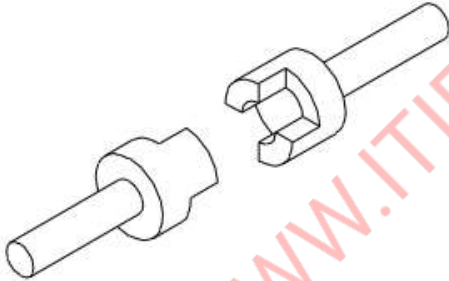
Option 3 ID : 6306803166854

Option 4 ID : 6306803166851

Status : Answered

Chosen Option : 4

Q.19 Identify the type of clutch shown in the given figure?



- Ans
- 1. Multi-plate clutch
 - 2. Cone clutch
 - 3. Air clutch
 - 4. Dog clutch

Question ID : 630680808322

Option 1 ID : 6306803166897

Option 2 ID : 6306803166895

Option 3 ID : 6306803166898

Option 4 ID : 6306803166896

Status : Answered

Chosen Option : 4

Q.20 Which of the following is a heat-treatment process consisting of reheating the hardened steel to a temperature below 400°C followed by cooling?

- Ans 1. Tempering
 2. Hardening
 3. Normalising
 4. Annealing

Question ID : 630680808310
Option 1 ID : 6306803166849
Option 2 ID : 6306803166850
Option 3 ID : 6306803166848
Option 4 ID : 6306803166847
Status : Answered
Chosen Option : 4

Section : Section 4

Q.1 Select the correct expression for determining the tap drill size in a drilling machine?

- Ans 1. Tap drill size = Major diameter + Pitch
 2. Tap drill size = Major diameter × Pitch
 3. Tap drill size = Major diameter – Pitch
 4. Tap drill size = Major diameter / Pitch

Question ID : 630680808341
Option 1 ID : 6306803166971
Option 2 ID : 6306803166972
Option 3 ID : 6306803166974
Option 4 ID : 6306803166973
Status : Answered
Chosen Option : 3

Q.2 What is the advantage of preventive maintenance system?

- Ans 1. Reduces quantity of product
 2. Increases down time in production
 3. Lowers unit cost of manufacture
 4. Reduces quality of product

Question ID : 630680808326
Option 1 ID : 6306803166912
Option 2 ID : 6306803166914
Option 3 ID : 6306803166913
Option 4 ID : 6306803166911
Status : Answered
Chosen Option : 2

Q.3 Which product is obtained from smelting in the blast furnace?

- Ans 1. Wrought iron
 2. Pig iron
 3. Cast iron
 4. Steels and alloy steel

Question ID : 630680808319
Option 1 ID : 6306803166884
Option 2 ID : 6306803166886
Option 3 ID : 6306803166883
Option 4 ID : 6306803166885
Status : Answered
Chosen Option : 2

Q.4 Under which of the following circumstances is a charging cable NOT energised?

- Ans 1. When the vehicle connector is unlocked
 2. When the vehicle connector is unlocked and the voltage at which the vehicle connector unlocks shall be lower than 60 V
 3. When the output voltage exceeds maximum voltage
 4. When the voltage at which the vehicle connector unlocks shall be lower than 60 V

Question ID : 630680808356
Option 1 ID : 6306803167031
Option 2 ID : 6306803167033
Option 3 ID : 6306803167034
Option 4 ID : 6306803167032
Status : Answered
Chosen Option : 4

Q.5 Which is the method of calculating the various expenditure and the quantities to be incurred on a particular process or job?

- Ans 1. Maintenance
 2. Estimation
 3. Drawing
 4. Lubrication survey

Question ID : 630680808330
Option 1 ID : 6306803166929
Option 2 ID : 6306803166927
Option 3 ID : 6306803166930
Option 4 ID : 6306803166928
Status : Answered
Chosen Option : 3

Q.6 Which type of abrasive is used in the honing process for Tungsten and Ceramics?

- Ans 1. Diamond
 2. Quartz
 3. Silicon carbide
 4. Garnet

Question ID : 630680808336
Option 1 ID : 6306803166953
Option 2 ID : 6306803166954
Option 3 ID : 6306803166951
Option 4 ID : 6306803166952
Status : Answered
Chosen Option : 1

Q.7 The process of finishing of round holes by means of bonded abrasive stone is called?

- Ans
- 1. Drilling
 - 2. Turning
 - 3. Lapping
 - 4. Honing

Question ID : 630680808334

Option 1 ID : 6306803166945

Option 2 ID : 6306803166943

Option 3 ID : 6306803166946

Option 4 ID : 6306803166944

Status : Answered

Chosen Option : 4

Q.8 Which type of assembly method is similar to riveting technique?

- Ans
- 1. Peening
 - 2. Using of adhesives
 - 3. Staking
 - 4. Dowelling

Question ID : 630680808331

Option 1 ID : 6306803166932

Option 2 ID : 6306803166931

Option 3 ID : 6306803166934

Option 4 ID : 6306803166933

Status : Answered

Chosen Option : 4

Q.9 Select the most appropriate statement regarding 'Tolerance' in the terminology of limits and fits?

- Ans
- 1. It is the algebraic difference between the actual size and its corresponding basic size.
 - 2. It is the algebraic difference between the maximum limit of size and its corresponding basic size.
 - 3. It is the algebraic difference between the minimum limit of size and its corresponding basic size.
 - 4. It is the difference between the maximum limit of size and the minimum limit of size.

Question ID : 630680808325

Option 1 ID : 6306803166910

Option 2 ID : 6306803166907

Option 3 ID : 6306803166909

Option 4 ID : 6306803166908

Status : Answered

Chosen Option : 4

Q.10 Which material is used for charging of lapping as it can be charged easily and cut more rapidly?

- Ans
- 1. Rubber
 - 2. Silver
 - 3. Gold
 - 4. Brass and copper

Question ID : 630680808332
Option 1 ID : 6306803166938
Option 2 ID : 6306803166937
Option 3 ID : 6306803166936
Option 4 ID : 6306803166935
Status : Answered
Chosen Option : 4

Q.11 This question is based on the following words/letter-clusters.
FEW GAS HER ICH

If in each of the words, each alphabet is changed to the next alphabet in the English alphabetical order, how many words thus formed will have no vowels?

- Ans
- 1. Three
 - 2. None
 - 3. One
 - 4. Two

Question ID : 630680401378
Option 1 ID : 6306801565301
Option 2 ID : 6306801565298
Option 3 ID : 6306801565299
Option 4 ID : 6306801565300
Status : Answered
Chosen Option : 4

Q.12 Which bearing material has low co-efficient of friction, can withstand a wide temperature range and has a low load-carrying capacity?

- Ans
- 1. Laminated phenolics
 - 2. Nylon
 - 3. Teflon
 - 4. Cast iron

Question ID : 630680808338
Option 1 ID : 6306803166961
Option 2 ID : 6306803166960
Option 3 ID : 6306803166959
Option 4 ID : 6306803166962
Status : Answered
Chosen Option : 4

Q.13 In which year was Self-Help Groups-Bank Linkage Program (SHG-BLG) started by NABARD as a pilot project?

- Ans 1. 1990-1991
 2. 1992-1993
 3. 1986-1987
 4. 1988-1989

Question ID : 630680512419

Option 1 ID : 6306802002648

Option 2 ID : 6306802002649

Option 3 ID : 6306802002646

Option 4 ID : 6306802002647

Status : Answered

Chosen Option : 2

Q.14 In a straight turning operation, change in diameter of a metal rod after turning is equal to:

- Ans 1. two times of depth of cut
 2. one time of depth of cut
 3. three times of depth of cut
 4. four times of depth of cut

Question ID : 630680808333

Option 1 ID : 6306803166940

Option 2 ID : 6306803166939

Option 3 ID : 6306803166941

Option 4 ID : 6306803166942

Status : Answered

Chosen Option : 1

Q.15 What is the DE-MERIT of a 3-jaw chuck?

- Ans 1. Run out cannot be corrected.
 2. Work can be set easily.
 3. Internal and external jaws are available.
 4. A wide range of cylindrical and hexagonal work can be held.

Question ID : 630680808328

Option 1 ID : 6306803166919

Option 2 ID : 6306803166922

Option 3 ID : 6306803166921

Option 4 ID : 6306803166920

Status : Answered

Chosen Option : 1

Q.16 Oxygen acetylene gas cutting process is NOT used for:

- Ans 1. non-ferrous metals
 2. cast iron
 3. mild steel
 4. wrought iron

Question ID : 630680808339

Option 1 ID : 6306803166965

Option 2 ID : 6306803166964

Option 3 ID : 6306803166963

Option 4 ID : 6306803166966

Status : Answered

Chosen Option : 1

Q.17 Let the system of equations in three variables be given as:

$$\begin{aligned}x + y + z &= 2; \\6x - 4y + 5z &= 31; \\5x + 2y + 2z &= 13\end{aligned}$$

The solution (x, y, z) which satisfies the system of equations is:

- Ans
- 1. (3, -2, 1)
 - 2. (3, 2, 1)
 - 3. (5, -2, 3)
 - 4. (1, 3, -2)

Question ID : 630680530893

Option 1 ID : 6306802075385

Option 2 ID : 6306802075386

Option 3 ID : 6306802075387

Option 4 ID : 6306802075388

Status : Answered

Chosen Option : 1

Q.18 Which type of bearing supports both radial loads and high one-direction thrust loads?

- Ans
- 1. Needle bearing
 - 2. Thrust bearing
 - 3. Solid bearing
 - 4. Angular contact ball bearing

Question ID : 630680808337

Option 1 ID : 6306803166956

Option 2 ID : 6306803166955

Option 3 ID : 6306803166957

Option 4 ID : 6306803166958

Status : Answered

Chosen Option : 2

Q.19 Which of the following comes under 'Machine Safety'?

- Ans
- 1. Take measurements only after stopping the machine.
 - 2. Wear safety shoes or boots.
 - 3. Roll up the sleeves tightly above the elbow.
 - 4. Cut the hair short.

Question ID : 630680808335

Option 1 ID : 6306803166948

Option 2 ID : 6306803166947

Option 3 ID : 6306803166950

Option 4 ID : 6306803166949

Status : Answered

Chosen Option : 1

Q.20 Select the most appropriate option to fill in the blank.
For three months, Gandhi _____ in that strange prison.

- Ans 1. lied
 2. lie
 3. lain
 4. lay

Question ID : 630680317860

Option 1 ID : 6306801236531

Option 2 ID : 6306801236529

Option 3 ID : 6306801236532

Option 4 ID : 6306801236530

Status : Answered

Chosen Option : 1

Section : Section 5

Q.1 श्री अनिल ने एक बैंक में ₹10,000 जमा किए, जिस पर अर्धवार्षिक रूप से संयोजित 4% प्रति वर्ष चक्रवृद्धि ब्याज मिलता है। यदि ब्याज वार्षिक रूप से संयोजित होता है, तो 18 महीने के अंत में उसे कितनी हानि होगी?

- Ans 1. ₹4.08
 2. ₹408
 3. ₹804
 4. ₹8.04

Question ID : 630680732562

Option 1 ID : 6306802871030

Option 2 ID : 6306802871032

Option 3 ID : 6306802871033

Option 4 ID : 6306802871031

Status : Answered

Chosen Option : 2

Q.2 What is the correct expression for calculating RPM in a drilling process for different materials?

Given:

v = Cutting speed in m/min

d = Diameter of the drill in mm

n = RPM

- Ans 1. $v = \frac{\pi d^2 n^2}{1000} \text{ m/min}$
 2. $v = \frac{\pi d^2 n}{1000} \text{ m/min}$
 3. $v = \frac{\pi d n}{1000} \text{ m/min}$
 4. $v = \frac{\pi d n^2}{1000} \text{ m/min}$

Question ID : 630680808340

Option 1 ID : 6306803166970

Option 2 ID : 6306803166968

Option 3 ID : 6306803166967

Option 4 ID : 6306803166969

Status : Answered

Chosen Option : 3

Q.3 In pipe fixture, which device is used for closing a pipeline that has an internal thread?

- Ans 1. Socket
 2. Plug
 3. Elbow
 4. T (Tee)

Question ID : 630680808347

Option 1 ID : 6306803166998

Option 2 ID : 6306803166997

Option 3 ID : 6306803166996

Option 4 ID : 6306803166995

Status : Answered

Chosen Option : 2

Q.4 Which of the following mountain peaks of Himalayas is located in the east of Mt. Everest?

- Ans 1. Nanda Devi
 2. Kanchenjunga
 3. Dhaulagiri
 4. Nanga Parbat

Question ID : 630680511124

Option 1 ID : 6306801997626

Option 2 ID : 6306801997629

Option 3 ID : 6306801997628

Option 4 ID : 6306801997627

Status : Answered

Chosen Option : 2

Q.5 In the defects of drilling, what is the possible remedy for 'overheating of a drill'?

- Ans 1. Blunt drill
 2. Use of suitable coolant
 3. Low clearance angle
 4. High cutting speed

Question ID : 630680808342

Option 1 ID : 6306803166978

Option 2 ID : 6306803166976

Option 3 ID : 6306803166975

Option 4 ID : 6306803166977

Status : Answered

Chosen Option : 1

Q.6 The process of binding the end of a rope with a twine or soft wire to prevent it from untwisting is called:

- Ans 1. Bite
 2. Loop
 3. Whipping
 4. Relaying

Question ID : 630680808352

Option 1 ID : 6306803167015

Option 2 ID : 6306803167017

Option 3 ID : 6306803167016

Option 4 ID : 6306803167018

Status : Answered

Chosen Option : 4

Q.7 In which commonly used pipe is the Spigot joint used?

- Ans
- 1. Rubber pipe
 - 2. Plastic pipe
 - 3. Cast iron pipe
 - 4. Lead pipe

Question ID : 630680808345

Option 1 ID : 6306803166987

Option 2 ID : 6306803166989

Option 3 ID : 6306803166988

Option 4 ID : 6306803166990

Status : Answered

Chosen Option : 4

Q.8 How many gears does the 'tumbler gear unit' set have in a lathe machine for the feeding mechanism?

- Ans
- 1. Six
 - 2. Four
 - 3. Five
 - 4. Three

Question ID : 630680808344

Option 1 ID : 6306803166985

Option 2 ID : 6306803166986

Option 3 ID : 6306803166984

Option 4 ID : 6306803166983

Status : Answered

Chosen Option : 4

Q.9 In pipe fitting, external pipe threads are cut by pipe dies available in sizes (inch) from:

- Ans
- 1. 1/16" to 1/8"
 - 2. 1/4" to 4"
 - 3. 6" to 24"
 - 4. 1/24" to 1/16"

Question ID : 630680808348

Option 1 ID : 6306803167000

Option 2 ID : 6306803167002

Option 3 ID : 6306803167001

Option 4 ID : 6306803166999

Status : Answered

Chosen Option : 2

Q.10 Three of the following four word-pairs are alike in some manner and hence form a group. Which word-pair does not belong to that group?
(The words must be considered as meaningful English words and must not be grouped based on the number of letters/number of consonants/vowels in the word.)

- Ans 1. Sky – Cloudy
 2. Sun – Yellow
 3. Sea – Blue
 4. Moon – White

Question ID : 630680344157
Option 1 ID : 6306801338943
Option 2 ID : 6306801338941
Option 3 ID : 6306801338944
Option 4 ID : 6306801338942
Status : Answered
Chosen Option : 1

Q.11 Which essential detail is NOT required for preparing an estimate for a particular job or process?

- Ans 1. Inspection record number
 2. Standard schedule of rates of the current year
 3. Drawings like plan, elevation and sections of important parts
 4. Properties of material

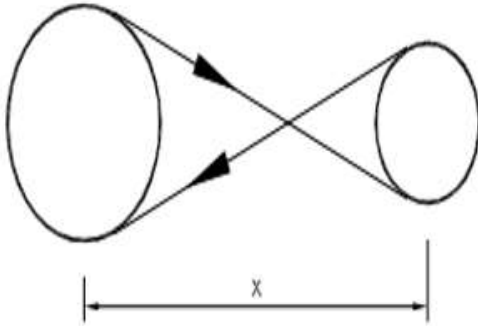
Question ID : 630680808355
Option 1 ID : 6306803167030
Option 2 ID : 6306803167028
Option 3 ID : 6306803167029
Option 4 ID : 6306803167027
Status : Answered
Chosen Option : 2

Q.12 Select the most appropriate option to fill in the blank.
There isn't a sense of calm in this place _____.

- Ans 1. can it?
 2. shall it?
 3. is there?
 4. will it?

Question ID : 630680198416
Option 1 ID : 630680769625
Option 2 ID : 630680769626
Option 3 ID : 630680769623
Option 4 ID : 630680769624
Status : Answered
Chosen Option : 3

Q.13 Which type of belt drive is shown in the given figure?



- Ans 1. Cross belt drive
 2. Idler pulley belt drive
 3. Open belt drive
 4. Right angle belt drive

Question ID : 630680808349
 Option 1 ID : 6306803167004
 Option 2 ID : 6306803167005
 Option 3 ID : 6306803167003
 Option 4 ID : 6306803167006
 Status : Answered

Chosen Option : 1

Q.14 Select the correct statement regarding 'Oldham Coupling' in power transmission?

- Ans 1. It is used to connect two parallel shafts whose axes are at a very large distance apart.
 2. It is used to connect two parallel shafts whose axes are at a small distance apart.
 3. It is used to connect two shafts whose axes intersect at a large angle.
 4. It is used to connect two shafts whose axes intersect at a small angle.

Question ID : 630680808350
 Option 1 ID : 6306803167009
 Option 2 ID : 6306803167010
 Option 3 ID : 6306803167008
 Option 4 ID : 6306803167007
 Status : Answered

Chosen Option : 2

Q.15 Which of the following is an example of Semi-Solid Lubricants?

- Ans 1. Grease
 2. Organic oil
 3. Synthetic oil
 4. Mineral oil

Question ID : 630680808351
 Option 1 ID : 6306803167011
 Option 2 ID : 6306803167013
 Option 3 ID : 6306803167014
 Option 4 ID : 6306803167012
 Status : Answered

Chosen Option : 1

Q.16 Which part of the lathe machine is used to hold the drill?

- Ans
- 1. Saddle
 - 2. Head stock
 - 3. Cross slide
 - 4. Tail stock

Question ID : 630680808343

Option 1 ID : 6306803166980

Option 2 ID : 6306803166979

Option 3 ID : 6306803166982

Option 4 ID : 6306803166981

Status : Answered

Chosen Option : 4

Q.17 The symbol shown is used for which description in a Process Chart?



- Ans
- 1. Inspection
 - 2. Transport
 - 3. Operation
 - 4. Delay

Question ID : 630680808354

Option 1 ID : 6306803167023

Option 2 ID : 6306803167025

Option 3 ID : 6306803167024

Option 4 ID : 6306803167026

Status : Answered

Chosen Option : 1

Q.18 Which riveting tool is used to give support to the rivet head?

- Ans
- 1. Drift
 - 2. Dolly
 - 3. Rivet snap
 - 4. Fullering tool

Question ID : 630680808353

Option 1 ID : 6306803167019

Option 2 ID : 6306803167021

Option 3 ID : 6306803167022

Option 4 ID : 6306803167020

Status : Answered

Chosen Option : 2

Q.19 Which pipe bending machine is used for bending Galvanized Iron (GI) pipes and MS pipes without sand filling to any direction?

- Ans 1. Hydraulic bending machine
 2. Bench type hand-operated pipe bender
 3. Simple bender
 4. Portable hand-operated pipe bender

Question ID : 630680808346

Option 1 ID : 6306803166994

Option 2 ID : 6306803166992

Option 3 ID : 6306803166993

Option 4 ID : 6306803166991

Status : Answered

Chosen Option : 2

Q.20 Consider the following statements with regards to important features of Energy Conservation Act 2001, and select the correct statement from the given options.

- I. Standards and labelling
II. Designated consumers
III. Energy conservation building codes

- Ans 1. Only II
 2. Only I
 3. I, II and III
 4. Both II and III

Question ID : 630680808357

Option 1 ID : 6306803167037

Option 2 ID : 6306803167035

Option 3 ID : 6306803167038

Option 4 ID : 6306803167036

Status : Answered

Chosen Option : 4