

ITI Quiz DW- 20- Jun-2026 10:34 AM

Q. ID: ITISKILL0657TP

June 2026

Answer Key

Duration: 180 Mins

Total Marks: 75

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1. What is the tensile stress if a square rod of 10 mm side is tested for a tensile load of 1000 kg?

- A) 1 kg/mm² B) 100 kg/mm²
C) 1000 kg/mm² D) 10 kg/mm²

Answer: D) 10 kg /mm²

2. Identify the given symbol | ನೀಡಿರುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ



- A) AC B) Inductance | ಇಂಡಕ್ಟೆನ್ಸ್
C) DC D) Ohms | ಓಮ್ಸ್

Answer: A) AC

3. Which process produce equilibrium conditions?

- A) Annealing and Hardening B) Normalising and Tempering
C) Normalising and Tempering D) Annealing and Normalising

Answer: D) Annealing and Normalising

4. CPRF stands for _____ | CPRF ಎಂದರೆ _____

- A) Combined Plain Round Foundation B) Combined Pile Raft Foundation.
C) Connected Pile Round Foundation D) Corrosion Proof Raft Foundation

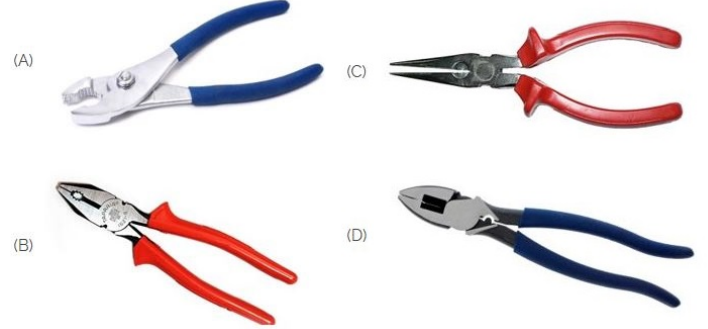
Answer: B) Combined Pile Raft Foundation.

5. What is the unit of strain?

- A) Metre B) No unit
C) Kg/cm² D) Newton/metre²

Answer: B) No unit

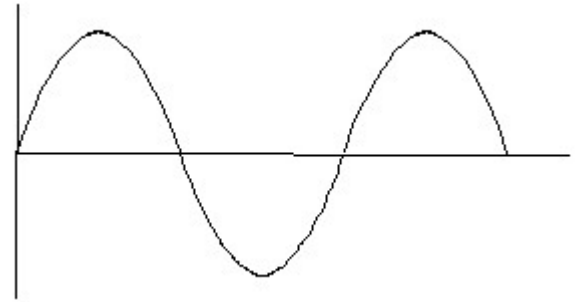
6. Which is nose pliers? | ನೋಸ್ ಪ್ಲೇಯರ್ ಯಾವುದು?



- A) A B) D
C) C D) B

Answer: C) C

7. Identify the wave form. | ವೇವ್ ಫಾರ್ಮ್ ವನ್ನು ಗುರುತಿಸಿ.



- A) Sine wave | ಸೈನ್ ವೇವ್ B) Square wave | ಸ್ಕ್ವೇರ್ ವೇವ್
C) Triangle wave | ತ್ರಿಕೋನ ವೇವ್ D) Saw-tooth wave | ಸಾ-ಟೂತ್ ವೇವ್

Answer: A) Sine wave | ಸೈನ್ ವೇವ್

8. What is a hand book?

- A) Model book of various works B) Dictionary of materials
C) Type of reference work or other collection of instruction D) Design book of latest works

Answer: C) Type of reference work or other collection of instruction

9. What is the term used for the method of calculating various quantities and expenditure on a particular job or process?

- A) Drawing B) Estimation
C) Plan D) Specification

Answer: B) Estimation

10. What is the other term used for reference table?

- A) Biography B) Bibliography
C) Dictionary D) Information Table

Answer: D) Information Table

11. Which state of equilibrium's example is A cone resting on its tip?

- A) Horizontal B) Neutral
C) Unstable D) Stable

Answer: C) Unstable

12. Pipe cutting die is generally _____ | ಪೈಪ್ ಕಟಿಂಗ್ ಡೈ ಸಾಮಾನ್ಯವಾಗಿ _____

- A) divided in two parts | ಎರಡು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ
B) divided in four parts. | ನಾಲ್ಕು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ.
C) divided in three parts | ಮೂರು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ
D) undivided | ಅವಿಭಜಿತ

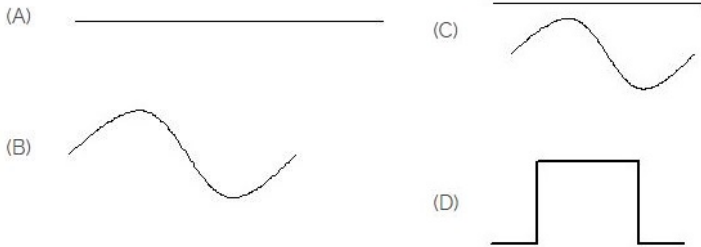
Answer: A) divided in two parts | ಎರಡು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ

13. What is the weight of a rectangular block of a cast iron of 250cm X 20cm X 8cm (density of cast iron is 7.8 gm/cm³)?

- A) 525 kg B) 372 kg
C) 410 kg D) 312 kg

Answer: D) 312 kg

14. Identify the symbol for direct and alternating current. | ನೇರ ಮತ್ತು ಪರ್ಯಾಯ ಪ್ರವಾಹದ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



- A) B B) D
C) C D) A

Answer: C) C

15. What is the ratio between stress and strain?

- A) Poisson's ratio B) Young's Modulus
C) Factor of safety D) Yield point

Answer: B) Young's Modulus

16. What is the formula for bulk modulus?

- A) Volumetric stress/Volumetric strain
B) Tensile stress/Tensile strain
C) Compressive stress/Compressive strain
D) Shear stress/Shear strain

Answer: A) Volumetric stress/Volumetric strain

17. What is the ratio between ultimate stress to working stress?

- A) Young's modulus B) Bulk modulus
C) Factor of safety D) Modulus of rigidity

Answer: C) Factor of safety

18. What is the total cost of painting of a class room including ceiling, if the size of length is 6m, breadth is 5m and height is 4m. (Painting + labour cost Rs.150/- per sq.m)

- A) Rs.15000/- B) Rs.17700/-
C) Rs.18700/- D) Rs.16700/-

Answer: B) Rs.17700/-

19. What is the safe stress if the ultimate stress of a material is 35 kg/mm² and factor of safety is 5?

- A) 0.143 B) 1.43
C) 7 D) 0.7

Answer: C) 7

20. What is an over estimate?

- A) When an estimate perfectly matches the actual estimate
B) No work started as per estimate
C) When an estimate is exceeded to actual estimate
D) When an estimate is fell short of the actual estimate

Answer: C) When an estimate is exceeded to actual estimate

21. Which of the following is not a main part of rivet? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ರಿವೆಟ್‌ನ ಮುಖ್ಯ ಭಾಗವಲ್ಲ?

- A) Tail | ಟೈಲ್ B) Head | ಹೆಡ್
C) Shank | ಶ್ಯಾಂಕ್ D) Point | ಪಾಯಿಂಟ್

Answer: D) Point | ಪಾಯಿಂಟ್

22. Where the centre of gravity of a circle lies?

- A) Any where on its circumference B) Any where on its radius
C) At its centre D) Any where on its diameter

Answer: C) At its centre

23. What is the minimum permissible size of aluminium wire used in estimation?

- A) 2.5 sq.mm B) 5 sq.mm
C) 1.5 sq.mm D) 3.5 sq.mm

Answer: C) 1.5 sq.mm

24. Which of the following is used to block the pipe at one end? | ಒಂದು ತುದಿಯಲ್ಲಿ ಪೈಪ್ ಅನ್ನು ನಿರ್ಬಂಧಿಸಲು ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

- A) Reducer | ರಿಡ್ಯೂಸರ್ B) Couplings | ಕಪ್ಲಿಂಗ್ಸ್

C) Plug | ಪ್ಲಗ್

D) Union | ಯೂನಿಯನ್

Answer: C) Plug | ಪ್ಲಗ್

25. What is the centre of gravity of a semi circle of diameter 12 cm?

A) 2.54 cm

B) 2.75 cm

C) 2.24 cm

D) 3.25 cm

Answer: A) 2.54 cm

26. What is the name of the heat treatment process, where the metal is heated and quenched in water or oil?

A) Tempering

B) Annealing

C) Hardening

D) Normalising and Tempering

Answer: C) Hardening

27. Which is elastic material?

A) Polystyrenes

B) Nylon

C) Polycarbonates

D) Celluloid

Answer: B) Nylon

28. Riveted joints is a_____ | ರಿವೆಟೆಡ್ ಜಂಟಿಗಳು

A) none of these | ಇದ್ಯಾವುದೂ ಅಲ್ಲ

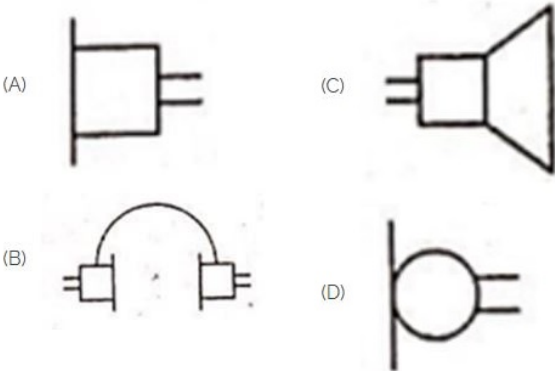
B) permanent joints | ಶಾಶ್ವತ ಜಂಟಿಗಳು

C) semi permanent | ಅರೆ ಶಾಶ್ವತ

D) temporary joints | ತಾತ್ಕಾಲಿಕ ಜಂಟಿಗಳು

Answer: C) semi permanent | ಅರೆ ಶಾಶ್ವತ

29. Identify the symbol used for microphone (general) in electrical and electronic circuits. | ಎಲೆಕ್ಟ್ರಿಕಲ್ ಮತ್ತು ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಸರ್ಕ್ಯೂಟ್‌ಗಳಲ್ಲಿ ಮೈಕ್ರೋಫೋನ್ (ಸಾಮಾನ್ಯ) ಗಾಗಿ ಬಳಸುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



A) C

B) B

C) A

D) D

Answer: D) D

30. What is the total construction cost of a house construction area of 3000 sq.ft. (cost of construction Rs.2000/- per sq.ft including material and labour)?

A) Rs.6,000,000

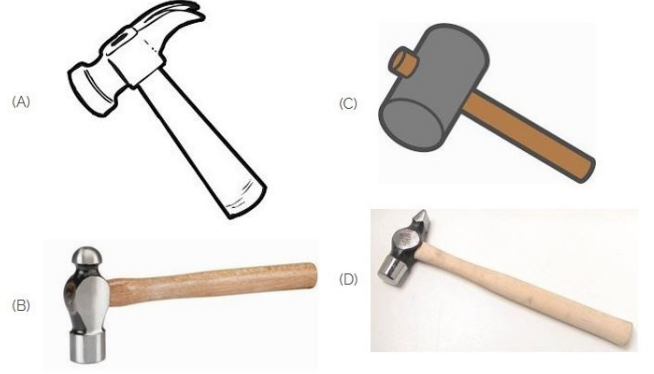
B) Rs.30,000,000

C) Rs.6,00,000

D) Rs.60,00,000

Answer: D) Rs.60,00,000

31. Which is ball peen hammer? | ಬಾಲ್ ಪೀನ್ ಸುತ್ತಿಗೆ ಯಾವುದು?



A) D

B) A

C) B

D) C

Answer: C) B

32. Which is protective device? | ರಕ್ಷಣಾತ್ಮಕ ಸಾಧನ ಯಾವುದು?

A) Capacitor | ಕೆಪಾಸಿಟರ್

B) Resistor | ರೆಸಿಸ್ಟರ್

C) Magnet | ಮ್ಯಾಗ್ನೆಟ್

D) Fuse | ಫ್ಯೂಸ್

Answer: D) Fuse | ಫ್ಯೂಸ್

33. Which materials pipe is used for drainage pipe line? | ಡ್ರೈನೇಜ್ ಪೈಪ್ ಲೈನ್‌ಗೆ ಯಾವ ವಸ್ತುಗಳ ಪೈಪ್ ಅನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

A) G.I. Pipe | ಜಿಐ ಪೈಪ್

B) PVC pipe | PVC ಪೈಪ್

C) Steel pipe | ಉಕ್ಕಿನ ಕೊಳವೆ

D) Brass Pipe | ಹಿತ್ತಾಳೆ ಪೈಪ್

Answer: B) PVC pipe | PVC ಪೈಪ್

34. Lock nut or check-nut is chamfered on____. | ಲಾಕ್ ನಟ್ ಅಥವಾ ಚೆಕ್-ನಟ್ ಅನ್ನು_____ ರಂದು ಚೇಂಫರ್ ಮಾಡಲಾಗಿದೆ.

A) both side | ಎರಡೂ ಕಡೆ

B) lower side | ಕೆಳಗಿನ ಭಾಗ

C) none sides | ಯಾವುದೇ ಬದಿಗಳಿಲ್ಲ

D) upper side | ಮೇಲಿನ ಭಾಗ

Answer: A) both side | ಎರಡೂ ಕಡೆ

35. What is the centre of gravity of a semi circle of diameter 12 cm?

A) 2.75 cm

B) 2.24 cm

C) 3.25 cm

D) 2.54 cm

Answer: D) 2.54 cm

36. Which is a kind of surface hardening process?

A) Cementide

B) Tempering

C) Nitriding

D) Ferrite

Answer: C) Nitriding

37. What is the process of heat treatment?

- A) The process of heating and cooling to change the structure and properties
B) The process of cooling to measure the dimensions
C) The process of heating and bending as per our requirement
D) The process of heating to change the dimensions

Answer: A) The process of heating and cooling to change the structure and properties

38. Which one is the ratio of stress?

- A) Load and diameter
B) Load and area
C) Load and direction
D) Load and time

Answer: B) Load and area

39. Which standard schedule of rates to be considered for estimation?

- A) Standard schedule of rates of the last year
B) Standard schedule of rates of the current year
C) Standard schedule of rates of the average of the last 10 years
D) Standard schedule of rates of the average of last 5 years

Answer: B) Standard schedule of rates of the current year

40. What is the total wattage in a room if 2 tube lights of 50W rating, 2 fans of 80W rating, 2 numbers of light points of 60W rating, one fan point of 60W rating and one 3 pin socket of 100W rating?

- A) 540 W
B) 340 W
C) 640 W
D) 440 W

Answer: A) 540 W

41. The thread angle of B.S.W screw threads are____. | BSW ಸ್ಕ್ರೂ ಥ್ರೆಡ್‌ಗಳ ಥ್ರೆಡ್ ಕೋನವು____.

- A) 30°
B) 60°
C) 55°
D) 45°

Answer: C) 55°

42. What are the various stages of heat treatment?

- A) Soaking, Quenching and Cooling
B) Heating, Cooling and Quenching
C) Heating, Soaking and Quenching
D) Quenching, Cooling and Heating

Answer: C) Heating, Soaking and Quenching

43. What is colour of a metal piece when heated to 250 Degree C while doing the tempering process?

- A) Pale
B) Blue
C) Purple
D) Brown

Answer: D) Brown

44. Which one is the most reliable estimate?

- A) Cube rate estimate
B) Detailed estimate

- C) Preliminary estimate
D) Plinth area estimate

Answer: B) Detailed estimate

45. What force will be required to punch a hole of 10 mm dia in a 1 mm thick plate, if the allowable shear stress is 50N/mm²? (Pi = 22/7)

- A) 1757 N
B) 1571.4 N
C) 1577 N
D) 1575 N

Answer: B) 1571.4 N

46. What is the ratio between lateral strain and longitudinal strain?

- A) Young's modulus
B) Bulk modulus
C) Hooks law
D) Poisson's ratio

Answer: D) Poisson's ratio

47. Which of the following is temporary fastening? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ತಾತ್ಕಾಲಿಕ ಫಾಸ್ಟೆನಿಂಗ್ ?

- A) Keys | ಕೀಲಿಗಳು
B) Rivets | ರಿವೆಟ್ಸ್
C) Screw | ತಿರುಪು
D) Welded | ವೆಲ್ಡೆಡ್

Answer: C) Screw | ತಿರುಪು

48. What is the material of line insulator? | ಲೈನ್ ಇನ್ಸುಲೇಟರ್‌ನ ಮೇಟೀರಿಯಲ್ ಯಾವುದು?

- A) Porcelain clay | ಪಿಂಗಾಣಿ ಮಣ್ಣಿನ
B) Rubber | ರಬ್ಬರ್
C) Aluminium | ಅಲ್ಯೂಮಿನಿಯಂ
D) Copper | ತಾಮ್ರ

Answer: A) Porcelain clay | ಪಿಂಗಾಣಿ ಮಣ್ಣಿನ

49. What is the purpose of tempering a steel?

- A) To reduce the brittleness
B) To increase the brittleness
C) To remove the ductility
D) To increase the hardness

Answer: A) To reduce the brittleness

50. Nut and bolts are_____ | ನಟ್ ಮತ್ತು ಬೋಲ್ಟ್ಸ್ _____

- A) temporary fastening | ತಾತ್ಕಾಲಿಕ ಜೋಡಣೆ
B) permanent fastening | ಶಾಶ್ವತ ಜೋಡಣೆ
C) semi temporary | ಅರ್ಧ ತಾತ್ಕಾಲಿಕ
D) semi permanent | ಅರ್ಧ ಶಾಶ್ವತ

Answer: A) temporary fastening | ತಾತ್ಕಾಲಿಕ ಜೋಡಣೆ

51. What is the ratio between the change in dimension to its original dimension of the substance?

- A) Factor of safety
B) Poisson's ratio
C) Strain
D) Stress

Answer: C) Strain

52. What is the term used for maximum stress attained by a material before rupture?

- A) Compressive stress
C) Tensile stress
- B) Working stress
D) Ultimate stress

Answer: D) Ultimate stress

53. What is the total labour charges for a particular wiring work completed in 2 days by one electrician and one helper.(Electrician @ ₹800/day and helper @ Rs 400/day)

- A) Rs. 1400
C) Rs. 2400
- B) Rs. 3000
D) Rs. 2000

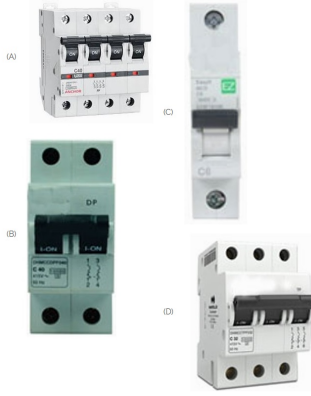
Answer: C) Rs. 2400

54. What is the tensile strain if a force of 3.2 kN is applied to a bar of original length 2800 mm extends the bar by 0.5 mm?

- A) 0.0001786
C) 0.0001867
- B) 0.0001968
D) 0.0001687

Answer: A) 0.0001786

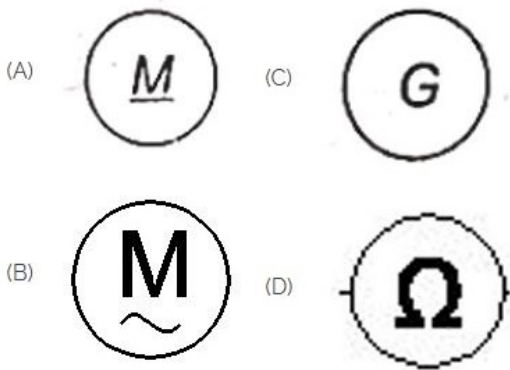
55. Which is the single pole MCB? | ಸಿಂಗಲ್ ಪೋಲ್ MCB ಯಾವುದು?



- A) B
C) A
- B) C
D) D

Answer: B) C

56. Which is a symbol of DC motor? | DC ಮೋಟರ್‌ನ ಸಂಕೇತ ಯಾವುದು?



- A) A
C) B
- B) D
D) C

Answer: A) A

57. Which of the impurity in cast iron makes it hard and brittle?

- A) Manganese
C) Phosphorus
- B) Sulphur
D) Silicon

Answer: B) Sulphur

58. What is the centre of gravity of a sphere?

- A) At the diameter
C) On the circumference
- B) At the centre
D) At the radius

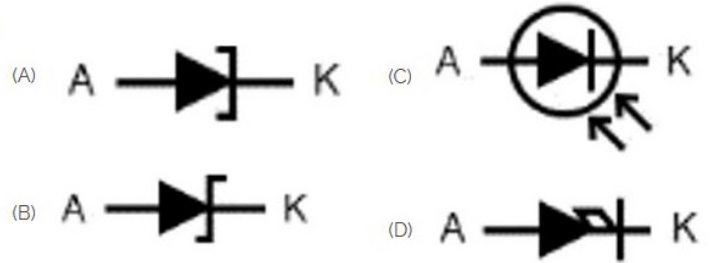
Answer: B) At the centre

59. What is the centre of gravity of a solid hemisphere from its base?

- A) $3r/4$
C) $r/2$
- B) $4r/5$
D) $3r/8$

Answer: D) $3r/8$

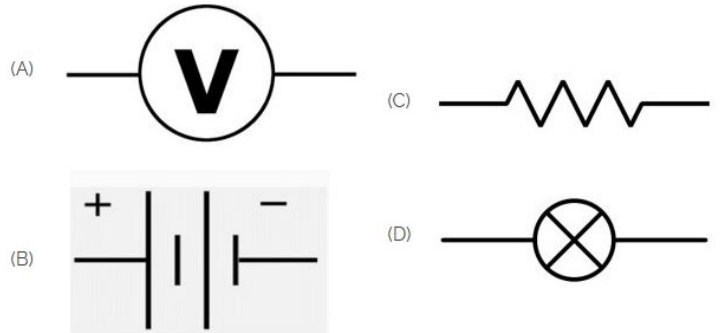
60. Which is photo diode? | ಫೋಟೋ ಡಯೋಡ್ ಯಾವುದು?



- A) D
C) C
- B) B
D) A

Answer: C) C

61. Identify the symbol of battery. | ಬ್ಯಾಟರಿಯ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



- A) C
C) B
- B) D
D) A

Answer: C) B

62. What is the ratio of shear stress to shear strain?

- A) Modulus of elasticity
C) Modulus of rigidity
- B) Yield point
D) Bulk modulus

Answer: C) Modulus of rigidity

63. What is the estimation of milling cost of a rectangular block size 100 X 80 X 60 mm, if cost of the milling is Rs.2/sq.cm?

A) Rs.572/-

B) Rs.752/-

C) Rs.652/-

D) Rs.960/-

Answer: B) Rs.752/-

64. What is the name of the point at which all the weight of the body concentrated?

A) Centre of gravity

B) Centroid

C) Initial point

D) Central point

Answer: A) Centre of gravity

65. Which symbol is used to express change in length?

A) e

B) L

C) delta l

D) l

Answer: C) delta l

66. What is the centre of gravity of a rectangular body?

A) At the corners

B) Shorter side of rectangle

C) Longer side of rectangle

D) At the point of intersection of its diagonals

Answer: D) At the point of intersection of its diagonals

67. How many types of foundation□ s are there based on depth? | ಆಳದ ಆಧಾರದ ಮೇಲೆ ಎಷ್ಟು ರೀತಿಯ ಅಡಿಪಾಯಗಳಿವೆ?

A) 5

B) 2

C) 2

D) 3

Answer: B) 2

68. What is the maximum percentage of stretch of its original length is allowable for elastic materials?

A) 300%

B) 400%

C) 200%

D) 100%

Answer: A) 300%

69. What are the various types of heat treatment processes?

A) Tempering, Cooling, Packing and Solling

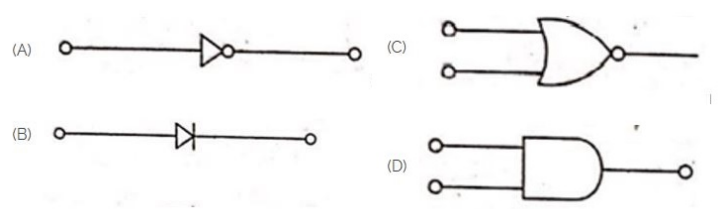
B) Normalising, Heating, Cooling and Painting

C) Annealing, Normalising, Hardening and Tempering

D) Hardening, Soaking, Painting and Packing

Answer: C) Annealing, Normalising, Hardening and Tempering

70. Which is the NOT gate in the following picture? | ಕೆಳಗಿನ ಚಿತ್ರದಲ್ಲಿ NOT ಗೇಟ್ ಯಾವುದು?



A) C

B) B

C) A

D) D

Answer: C) A

71. How much time is allowed normally in soaking zone for a 10mm thick metal piece while hardening?

A) 15 minutes

B) 20 minutes

C) 10 minutes

D) 5 minutes

Answer: D) 5 minutes

72. How much strain is developed in an iron rod of 1 metre length gets elongated by 1 cm, if a force of 100 kg is applied at one end?

A) 0.0001

B) 0.1

C) 0.01

D) 0.001

Answer: C) 0.01

73. What is the relative permittivity of rubber?

A) Between 12 and 14

B) Between 2 and 3

C) Between 8 and 10

D) Between 5 and 6

Answer: B) Between 2 and 3

74. What describes the detailed specification for the item of work?

A) Maintenance, Stock, Cost

B) Tax, Transport, Overhead expenses

C) Quality, Quantity, Workmanship, Method of execution

D) Colour

Answer: C) Quality, Quantity, Workmanship, Method of execution

75. Which one of the following accommodates four pipes in a pipe fitting? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಫೈಪ್ ಫಿಟಿಂಗ್‌ನಲ್ಲಿ ನಾಲ್ಕು ಫೈಪ್‌ಗಳನ್ನು ಅಳವಡಿಸುತ್ತದೆ?

A) Elbow | ಎಲ್ಬೋ

B) Cross | ಆಡ್ಡ್

C) Union | ಯೂನಿಯನ್

D) Tee | ಟೀ

Answer: B) Cross | ಆಡ್ಡ್