

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

Q. ID: ITISKILL0657TP

June 2026

Question Paper

Duration: 180 Mins

Total Marks: 75

ID: ITISKILL0657TP

Student Name: _____ Roll No: _____

1. 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.16700/- B) Rs.15000/-
C) Rs.18700/- D) Rs.17700/-

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

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

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

- A) e B) l
C) L D) delta l

4. What is the purpose of tempering a steel?

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

5. 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

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

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

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

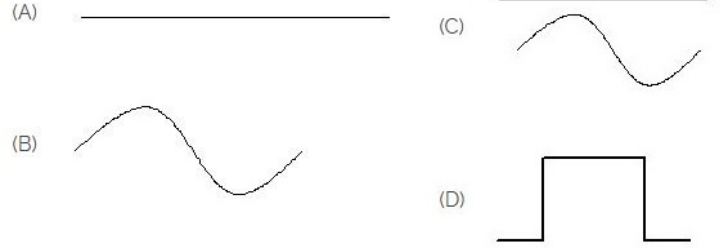
- A) Horizontal B) Unstable
C) Stable D) Neutral

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

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

9. Identify the symbol for direct and alternating current. | ನೇರ

ಮತ್ತು ಪರ್ಯಾಯ ಪ್ರವಾಹದ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



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

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

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

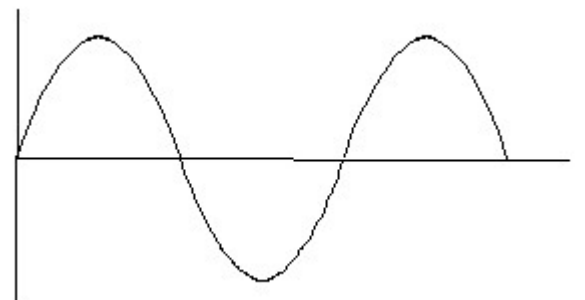
11. What is the centre of gravity of a rectangular body?

- A) Shorter side of rectangle B) Longer side of rectangle
C) At the point of intersection of its diagonals
D) At the corners

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

- A) 400% B) 200%
C) 300% D) 100%

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



- A) Square wave | ಸ್ಕ್ವೇರ್ ವೇವ್ B) Sine wave | ಸೈನ್ ವೇವ್

C) Triangle wave | ತ್ರಿಕೋನ ವೇವ್

D) Saw-tooth wave | ಸಾ-ಟೂತ್ ವೇವ್

A) Soaking, Quenching and Cooling

B) Quenching, Cooling and Heating

C) Heating, Cooling and Quenching

D) Heating, Soaking and Quenching

14. 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

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

A) Capacitor | ಕೆಪಾಸಿಟರ್

B) Fuse | ಫ್ಯೂಸ್

C) Resistor | ರೆಸಿಸ್ಟರ್

D) Magnet | ಮ್ಯಾಗ್ನೆಟ್

16. Which is elastic material?

A) Polycarbonates

B) Celluloid

C) Polystyrenes

D) Nylon

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

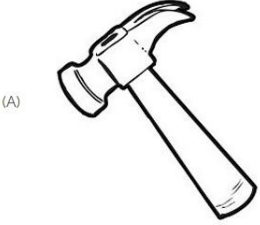
A) Drawing

B) Specification

C) Estimation

D) Plan

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



A) D

B) B

C) C

D) A

19. 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) 0.0001687

B) 0.0001968

C) 0.0001867

D) 0.0001786

20. Which is a kind of surface hardening process?

A) Cementite

B) Nitriding

C) Ferrite

D) Tempering

21. What are the various stages of heat treatment?

22. 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) 640 W

B) 540 W

C) 340 W

D) 440 W

23. Which is nose pliers? | ನೋಸ್ ಪ್ಲೈಯರ್ ಯಾವುದು?



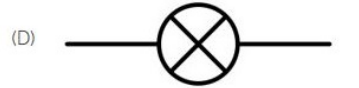
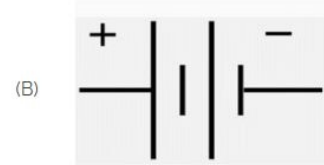
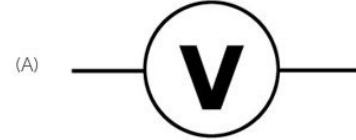
A) C

B) B

C) A

D) D

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



A) A

B) D

C) C

D) B

25. Identify the given symbol | ನೀಡಿರುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ



A) Ohms | ಓಮ್ಸ್

B) DC

C) AC

D) Inductance | ಇಂಡಕ್ಟನ್ಸ್

26. 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) 7

C) 1.43

D) 0.7

27. 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.30,000,000

B) Rs.60,00,000

C) Rs.6,00,000

D) Rs.6,000,000

28. Which process produce equilibrium conditions?

A) Normalising and Tempering

B) Normalising and Tempering

C) Annealing and Normalising

D) Annealing and Hardening

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

A) divided in four parts. | ನಾಲ್ಕು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ.

B) divided in two parts | ಎರಡು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ

C) divided in three parts | ಮೂರು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ

D) undivided | ಅವಿಭಜಿತ

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

A) $3r/8$

B) $3r/4$

C) $4r/5$

D) $r/2$

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

A) Modulus of rigidity

B) Bulk modulus

C) Young's modulus

D) Factor of safety

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

A) Brass Pipe | ಹಿತ್ತಾಳೆ ಪೈಪ್

B) G.I. Pipe | ಜಿಐ ಪೈಪ್

C) PVC pipe | PVC ಪೈಪ್

D) Steel pipe | ಉಕ್ಕಿನ ಕೊಳವೆ.

33. What is the process of heat treatment?

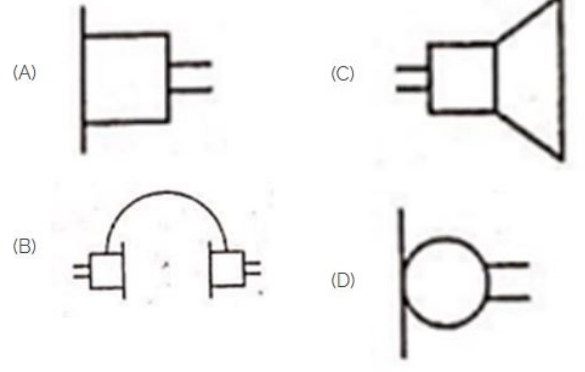
A) The process of heating and bending as per our requirement

B) The process of heating to change the dimensions

C) The process of cooling to measure the dimensions

D) The process of heating and cooling to change the structure and properties

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



A) A

B) C

C) D

D) B

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

A) Manganese

B) Silicon

C) Sulphur

D) Phosphorus

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

A) Hooks law

B) Young's modulus

C) Poisson's ratio

D) Bulk modulus

37. 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

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

A) 5 sq.mm

B) 2.5 sq.mm

C) 1.5 sq.mm

D) 3.5 sq.mm

39. 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) 1577 N

B) 1571.4 N

C) 1757 N

D) 1575 N

40. Which one of the following accommodates four pipes in a pipe fitting? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಪೈಪ್ ಫಿಟ್ಟಿಂಗ್‌ನಲ್ಲಿ ನಾಲ್ಕು ಪೈಪ್‌ಗಳನ್ನು ಅಳವಡಿಸುತ್ತದೆ?

A) Union | ಯೂನಿಯನ್

B) Tee | ಟೀ

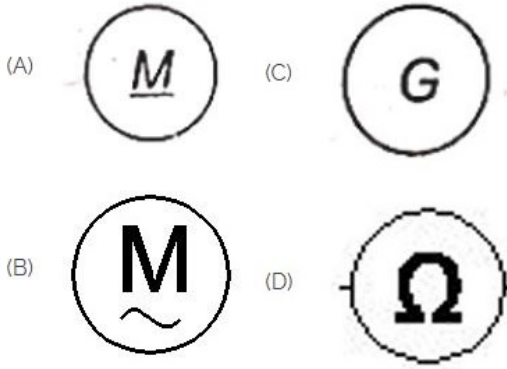
C) Elbow | ಎಲ್ಬೋ

D) Cross | ಅಡ್ಡ

41. CPRF stands for_____ | CPRF ಎಂದರೆ _____

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

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



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

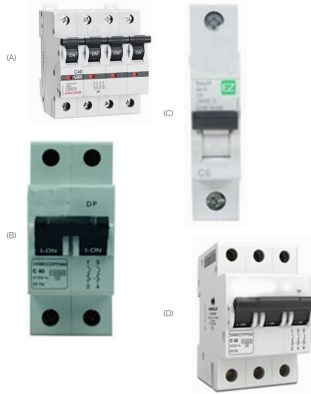
43. What is the ratio of shear stress to shear strain?

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

44. 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)

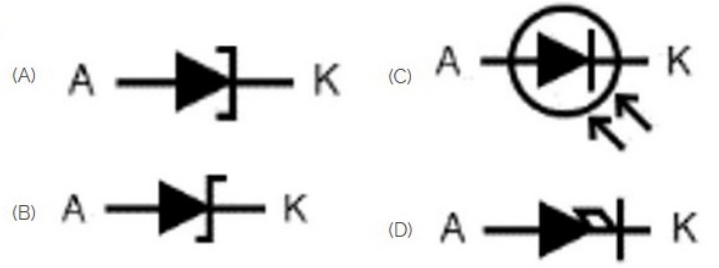
- A) Rs. 3000 B) Rs. 2400
C) Rs. 2000 D) Rs. 1400

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



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

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



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

47. What is a hand book?

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

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

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

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

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

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

- A) Tempering, Cooling, Packing and Solling B) Hardening, Soaking, Painting and Packing
C) Normalising, Heating, Cooling and Painting D) Annealing, Normalising, Hardening and Tempering

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

- A) upper side | ಮೇಲಿನ ಭಾಗ B) lower side | ಕೆಳಗಿನ ಭಾಗ
C) none sides | ಯಾವುದೇ ಬದಿಗಳಿಲ್ಲ D) both side | ಎರಡೂ ಕಡೆ

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

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

53. What is the formula for bulk modulus?

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

54. Which one is the most reliable estimate?

- A) Plinth area estimate B) Cube rate estimate
C) Detailed estimate D) Preliminary estimate

55. What is the unit of strain?

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

56. The thread angle of B.S.W screw threads are____. | BSW ಸ್ಕ್ರೂ ಥ್ರೆಡ್‌ಗಳ ಥ್ರೆಡ್ ಕೋನವು ____.

- A) 55° B) 45°
C) 60° D) 30°

57. Which one is the ratio of stress?

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

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

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

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

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

60. 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) 0.01 B) 0.1
C) 0.001 D) 0.0001

61. Riveted joints is a_____ | ರಿವೆಟೆಡ್ ಜಂಟಿಗಳು

- A) permanent joints | ಶಾಶ್ವತ ಜಂಟಿಗಳು B) semi permanent | ಅರೆ ಶಾಶ್ವತ
C) temporary joints | ತಾತ್ಕಾಲಿಕ ಜಂಟಿಗಳು D) none of these | ಇದ್ದಾವುದೂ ಅಲ್ಲ

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

- A) 5 B) 3
C) 2 D) 2

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

- A) Reducer | ರೆಡ್ಯೂಸರ್ B) Union | ಯೂನಿಯನ್
C) Plug | ಪ್ಲಗ್ D) Couplings | ಕಪ್ಲಿಂಗ್ಸ್

64. Nut and bolts are_____ | ನಟ್ ಮತ್ತು ಬೋಲ್ಟ್ಸ್ _____

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

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

- A) 2.75 cm B) 3.25 cm
C) 2.54 cm D) 2.24 cm

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

- A) 2.75 cm B) 2.54 cm
C) 2.24 cm D) 3.25 cm

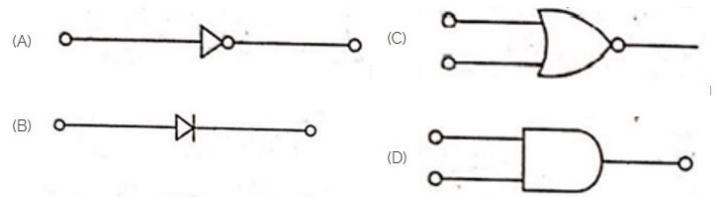
67. What is the relative permittivity of rubber?

- A) Between 12 and 14 B) Between 5 and 6
C) Between 2 and 3 D) Between 8 and 10

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

- A) Initial point B) Centre of gravity
C) Centroid D) Central point

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



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

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

- A) 15 minutes B) 20 minutes
C) 5 minutes D) 10 minutes

71. 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) 312 kg B) 372 kg
C) 525 kg D) 410 kg

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

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

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

- A) 10 kg/mm^2 B) 1000 kg/mm^2
C) 100 kg/mm^2 D) 1 kg/mm^2
-

74. 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.960/- B) Rs.752/-
C) Rs.572/- D) Rs.652/-
-

75. What is the ratio between stress and strain?

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