

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

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26.67% 20 / 75

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Attempt No.	#1	Completion Time	11:52 AM
Rank	#2	Total Questions	75

20 SCORE

75 MAX MARKS

20 CORRECT

55 INCORRECT

Answer Review

Q1 **INCORRECT** 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 ☐

Q2 **INCORRECT** What is the centre of gravity of a rectangular body?

A. Longer side of rectangle

B. Shorter side of rectangle ☐

C. At the point of intersection of its diagonals ☐

D. At the corners

Q3 **INCORRECT** What is the centre of gravity of a sphere?

A. At the centre ☐

B. On the circumference

C. At the diameter

D. At the radius ☐

Q4 **INCORRECT** Which state of equilibrium's example is A cone resting on its tip?

A. Stable

B. Neutral

C. Unstable ☐

D. Horizontal ☐

Q5 **INCORRECT** What is the centre of gravity of a semi circle of diameter 12 cm?

A. 2.24 cm ☐

B. 2.54 cm ☐

C. 3.25 cm

D. 2.75 cm

Q6 **INCORRECT** Which is elastic material?

A. Nylon ☐

B. Polystyrenes

C. Celluloid

D. Polycarbonates ☐

Q7 **CORRECT** What is the maximum percentage of stretch of its original length is allowable for elastic materials?

A. 100%

B. 200%

C. 300% ☐

D. 400%

Q8 **INCORRECT** What is the ratio between the change in dimension to its original dimension of the substance?

A. Stress

B. Strain ☒

C. Poisson's ratio ☐

D. Factor of safety

Q9 **INCORRECT** What is the unit of strain?

A. Kg/cm^2

B. Newton/metre^2 ☐

C. Metre

D. No unit ☒

Q10 **INCORRECT** What is the ratio between lateral strain and longitudinal strain?

A. Hooks law

B. Young's modulus ☐

C. Bulk modulus

D. Poisson's ratio ☒

Q11 **CORRECT** Which symbol is used to express change in length?

A. L

B. Δl ☒

C. l

D. e

Q12 **CORRECT** Which one is the ratio of stress?

A. Load and area ☐

B. Load and direction

C. Load and diameter

D. Load and time

Q13 **INCORRECT** What is the formula for bulk modulus?

A. Tensile stress/Tensile strain ☐

B. Compressive stress/Compressive strain

C. Volumetric stress/Volumetric strain ☐

D. Shear stress/Shear strain

Q14 **INCORRECT** What is the term used for maximum stress attained by a material before rupture?

A. Tensile stress

B. Compressive stress ☐

C. Working stress

D. Ultimate stress ☐

Q15 **CORRECT** What is the ratio between ultimate stress to working stress?

A. Bulk modulus

B. Young's modulus

C. Factor of safety ☐

D. Modulus of rigidity

Q16 **INCORRECT** What is the ratio of shear stress to shear strain?

A. Modulus of elasticity

B. Modulus of rigidity ☒

C. Bulk modulus ☐

D. Yield point

Q17 **CORRECT** What is the ratio between stress and strain?

A. Yield point

B. Factor of safety

C. Young's Modulus ☒

D. Poisson's ratio

Q18 **CORRECT** 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 50 N/mm^2 ? ($\pi = 22/7$)

A. 1757 N

B. 1575 N

C. 1571.4 N ☒

D. 1577 N

Q19 **INCORRECT** 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/mm^2 ☐

B. 10 kg/mm^2 ☒

C. 100 kg/mm^2

D. 1000 kg/mm^2

Q20 **CORRECT** 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 ☐

B. 0.0001687 ☐

C. 0.0001867 ☐

D. 0.0001968 ☐

Q21 **INCORRECT** 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. 0.1 ☐

B. 0.01 ☐

C. 0.001 ☐

D. 0.0001 ☐

Q22 **INCORRECT** What is the safe stress if the ultimate stress of a material is 35 kg/mm^2 and factor of safety is 5?

A. 0.143 ☐

B. 0.7 ☐

C. 1.43 ☐

D. 7 ☐

Q23 **INCORRECT** What is the other term used for reference table?

A. Dictionary ☐

B. Biography ☐

C. Bibliography ☐

D. Information Table ☐

Q24 **CORRECT** What is a hand book?

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

Q25 **CORRECT** 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 average of the last 10 years
- C. Standard schedule of rates of the average of last 5 years
- D. Standard schedule of rates of the current year ☒

Q26 **INCORRECT** What is an over estimate?

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

Q27 **INCORRECT** What is the term used for the method of calculating various quantities and expenditure on a particular job or process?

- A. Estimation ☒
- B. Drawing ☐
- C. Specification
- D. Plan

Q28 **CORRECT** What is the minimum permissible size of aluminium wire used in estimation?

A. 1.5 sq.mm ☒

B. 2.5 sq.mm

C. 5 sq.mm

D. 3.5 sq.mm

Q29 **INCORRECT** Which one is the most reliable estimate?

A. Preliminary estimate ☐

B. Plinth area estimate

C. Cube rate estimate

D. Detailed estimate ☒

Q30 **INCORRECT** What describes the detailed specification for the item of work?

A. Quality, Quantity, Workmanship, Method of execution ☒

B. Colour

C. Tax, Transport, Overhead expenses

D. Maintenance, Stock, Cost ☐

Q31 **INCORRECT** Which of the impurity in cast iron makes it hard and brittle?

A. Silicon

B. Sulphur ☒

C. Manganese ☐

D. Phosphorus

Q32 **INCORRECT** What is the relative permittivity of rubber?

A. Between 2 and 3 ☐

B. Between 5 and 6

C. Between 8 and 10

D. Between 12 and 14 ☐

Q33 **CORRECT** 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. 410 kg

D. 525 kg

Q34 **INCORRECT** 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.652/-

B. Rs.752/- ☐

C. Rs.572/- ☐

D. Rs.960/-

Q35 **INCORRECT** 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. 340 W

B. 440 W

C. 540 W ☐

D. 640 W ☐

Q36 **INCORRECT** 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. 2000 ☐

B. Rs. 2400 ☐

C. Rs. 3000 ☐

D. Rs. 1400 ☐

Q37 **INCORRECT** 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.16700/- ☐

C. Rs.17700/- ☐

D. Rs.18700/- ☐

Q38 **INCORRECT** 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 ☐

Q39 **INCORRECT** Where the centre of gravity of a circle lies?

A. At its centre ☐

B. Any where on its radius ☐

C. Any where on its circumference ☐

D. Any where on its diameter ☐

Q40 **CORRECT** What is the centre of gravity of a solid hemisphere from its base?

A. $4r/5$

B. $3r/8$ ☒

C. $3r/4$

D. $r/2$

Q41 **CORRECT** What is the centre of gravity of a semi circle of diameter 12 cm?

A. 2.24 cm

B. 2.54 cm ☒

C. 3.25 cm

D. 2.75 cm

Q42 **INCORRECT** What are the various types of heat treatment processes?

A. Annealing, Normalising, Hardening and Tempering ☐

B. Normalising, Heating, Cooling and Painting ☐

C. Hardening, Soaking, Painting and Packing

D. Tempering, Cooling, Packing and Solling

Q43 **CORRECT** What is the process of heat treatment?

A. The process of heating and cooling to change the structure and properties ☒

B. The process of heating to change the dimensions

C. The process of cooling to measure the dimensions

D. The process of heating and bending as per our requirement

Q44 **INCORRECT** What are the various stages of heat treatment?

A. Heating, Cooling and Quenching

B. Quenching, Cooling and Heating

C. Heating, Soaking and Quenching ☒

D. Soaking, Quenching and Cooling ☐

Q45 **INCORRECT** Which process produce equilibrium conditions?

A. Annealing and Hardening ☐

B. Normalising and Tempering

C. Annealing and Normalising ☒

D. Normalising and Tempering

Q46 **INCORRECT** What is the name of the heat treatment process, where the metal is heated and quenched in water or oil?

A. Hardening ☒

B. Normalising and Tempering ☐

C. Annealing

D. Tempering

Q47 **INCORRECT** Which is a kind of surface hardening process?

A. Cementite

B. Ferrite ☐

C. Nitriding ☒

D. Tempering

Q48 **INCORRECT** How much time is allowed normally in soaking zone for a 10mm thick metal piece while hardening?

A. 5 minutes ☐

B. 10 minutes ☐

C. 15 minutes ☐

D. 20 minutes ☒

Q49 **INCORRECT** What is colour of a metal piece when heated to 250 Degree C while doing the tempering process?

A. Blue ☐

B. Brown ☒

C. Purple ☐

D. Pale ☐

Q50 **INCORRECT** What is the purpose of tempering a steel?

A. To reduce the brittleness ☐

B. To remove the ductility ☐

C. To increase the hardness ☐

D. To increase the brittleness ☐

Q51 **INCORRECT** How many types of foundation ☐ s are there based on depth? **ಈಳಿದ ಆಧಾರದ ಮೇಲೆ ಎಷ್ಟು ರೀತಿಯ ಅಡಿಪಾಯಗಳಿವೆ?**

A. 2 ☐

B. 3 ☐

C. 5 ☐

D. 2 ☒

Q52 **INCORRECT** CPRF stands for_____ | CPRF ಎಂದರೆ _____

A. Combined Plain Round Foundation ☐

B. Connected Pile Round Foundation ☐

C. Combined Pile Raft Foundation. ☒

D. Corrosion Proof Raft Foundation ☐

Q53 **INCORRECT** Which of the following is used to block the pipe at one end? | ಒಂದು ತುದಿಯಲ್ಲಿ ಪೈಪ್ ಅನ್ನು ನಿರ್ಬಂಧಿಸಲು ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

A. Plug | ಪ್ಲಗ್ ☐

B. Union | ಯೂನಿಯನ್ ☐

C. Reducer | ರೆಡ್ಯೂಸರ್ ☐

D. Couplings | ಕಪ್ಲಿಂಗ್ಸ್ ☐

Q54 **INCORRECT** Which of the following is not a main part of rivet? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ರಿವೆಟ್‌ನ ಮುಖ್ಯ ಭಾಗವಲ್ಲ?

A. Head | ಹೆಡ್ ☐

B. Shank | ಶ್ಯಾಂಕ್ ☐

C. Point | ಪಾಯಿಂಟ್ ☒

D. Tail | ಟೈಲ್ ☐

Q55 **INCORRECT** Riveted joints is a_____ | ರಿವೆಟೆಡ್ ಜಂಟಿಗಳು _____

A. permanent joints | ಶಾಶ್ವತ ಜಂಟಿಗಳು ☐

B. temporary joints | ತಾತ್ಕಾಲಿಕ ಜಂಟಿಗಳು ☐

C. semi permanent | ಅರೆ ಶಾಶ್ವತ ☒

D. none of these | ಇದ್ದಾವುದೂ ಅಲ್ಲ ☐

Q56 **INCORRECT** Pipe cutting die is generally_____ | ಪೈಪ್ ಕಟಿಂಗ್ ಡೈ ಸಾಮಾನ್ಯವಾಗಿ _____

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

B. undivided | ಅವಿಭಜಿತ

C. divided in three parts | ಮೂರು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ □

D. divided in two parts | ಎರಡು ಭಾಗಗಳಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ □

Q57 **INCORRECT** Which materials pipe is used for drainage pipe line? | ಡ್ರೈನೇಜ್ ಪೈಪ್ ಲೈನ್‌ಗೆ ಯಾವ ವಸ್ತುಗಳ ಪೈಪ್ ಅನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?

A. PVC pipe | PVC ಪೈಪ್ □

B. Brass Pipe | ಹಿತ್ತಾಳೆ ಪೈಪ್ □

C. G.I. Pipe | ಜಿಐ ಪೈಪ್

D. Steel pipe | ಉಕ್ಕಿನ ಕೊಳವೆ.

Q58 **INCORRECT** Which of the following is temporary fastening? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ತಾತ್ಕಾಲಿಕ ಫಾಸ್ಟನಿಂಗ್ ?

A. Welded | ವೆಲ್ಡೆಡ್ □

B. Keys | ಕೀಲಿಗಳು

C. Rivets | ರಿವೆಟ್ಸ್

D. Screw | ತಿರುಪು □

Q59 **CORRECT** Lock nut or check-nut is chamfered on____. | ಲಾಕ್ ನಟ್ ಅಥವಾ ಚೆಕ್-ನಟ್ ಅನ್ನು_____ ರಂದು ಚೇಂಫರ್ ಮಾಡಲಾಗಿದೆ.

A. upper side | ಮೇಲಿನ ಭಾಗ

B. lower side | ಕೆಳಗಿನ ಭಾಗ

C. both side | ಎರಡೂ ಕಡೆ □

D. none sides | ಯಾವುದೇ ಬದಿಗಳಿಲ್ಲ

Q60 **INCORRECT** The thread angle of B.S.W screw threads are____. | BSW ಸ್ಕ್ರೂ ಥ್ರೆಡ್‌ಗಳ ಥ್ರೆಡ್ ಕೋನವು____.

A. 45°

B. 60°

C. 55° ☐

D. 30° ☐

Q61 **INCORRECT** Which one of the following accommodates four pipes in a pipe fitting? | ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಪೈಪ್ ಫಿಟ್ಟಿಂಗ್‌ನಲ್ಲಿ ನಾಲ್ಕು ಪೈಪ್‌ಗಳನ್ನು ಅಳವಡಿಸುತ್ತದೆ?

A. Union | ಯೂನಿಯನ್

B. Cross | ಆಡ್ಡ್ ☐

C. Elbow | ಎಲ್ಬೋ ☐

D. Tee | ಟೀ

Q62 **INCORRECT** Nut and bolts are_____ | ನಟ್ ಮತ್ತು ಬೋಲ್ಟ್ಸ್ _____

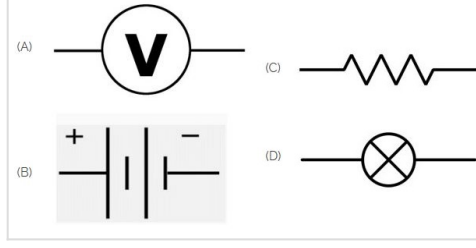
A. permanent fastening | ಶಾಶ್ವತ ಜೋಡಣೆ ☐

B. temporary fastening | ತಾತ್ಕಾಲಿಕ ಜೋಡಣೆ ☐

C. semi permanent | ಅರ್ಧ ಶಾಶ್ವತ

D. semi temporary | ಅರ್ಧ ತಾತ್ಕಾಲಿಕ

Q63 **CORRECT** Identify the symbol of battery. | ಬ್ಯಾಟರಿಯ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



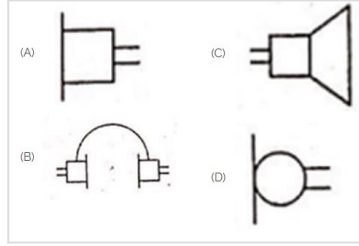
A. A

B. B ☒

C. C

D. D

Q64 **CORRECT** Identify the symbol used for microphone (general) in electrical and electronic circuits. | ಎಲೆಕ್ಟ್ರಿಕಲ್ ಮತ್ತು ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಸರ್ಕ್ಯೂಟ್‌ಗಳಲ್ಲಿ ಮೈಕ್ರೋಫೋನ್ (ಸಾಮಾನ್ಯ) ಗಾಗಿ ಬಳಸುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



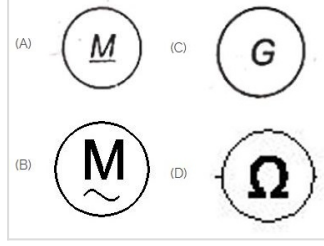
A. A

B. B

C. C

D. D ☒

Q65 **CORRECT** Which is a symbol of DC motor? | DC ಮೋಟರ್‌ನ ಸಂಕೇತ ಯಾವುದು?



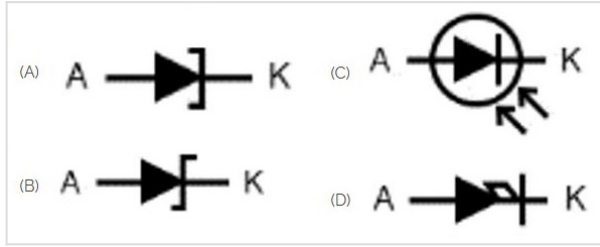
A. A ☐

B. B ☐

C. C ☐

D. D ☐

Q66 **INCORRECT** Which is photo diode? | ಫೋಟೋ ಡಯೋಡ್ ಯಾವುದು?



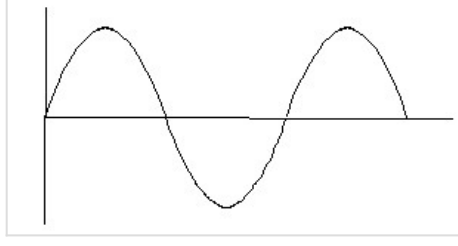
A. A ☐

B. B ☐

C. C ☒

D. D ☐

Q67 **INCORRECT** 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

Q68 **CORRECT** What is the material of line insulator? | ಲೈನ್ ಇನ್ಸುಲೇಟರ್ ಮೇಟೀರಿಯಲ್ ಯಾವುದು?

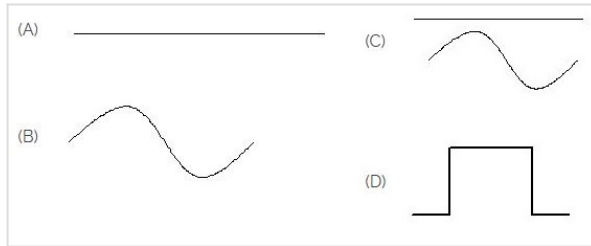
A. Copper | ತಾಮ್ರ

B. Aluminium | ಅಲ್ಯೂಮಿನಿಯಂ

C. Porcelain clay | ಪಿಂಗಾಣಿ ಮಣ್ಣಿನ ☐

D. Rubber | ರಬ್ಬರ್

Q69 **INCORRECT** Identify the symbol for direct and alternating current. | ನೇರ ಮತ್ತು ಪರ್ಯಾಯ ಪ್ರವಾಹದ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ.



A. A ☐

B. B

C. C ☐

D. D

Q70 **CORRECT** Which is ball peen hammer? | ಬಾಲ್ ಪೀನ್ ಸುತ್ತಿಗೆ ಯಾವುದು?



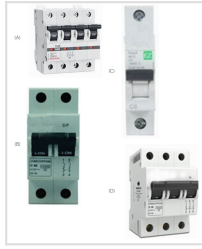
A. A

B. B ☒

C. C

D. D

Q71 **INCORRECT** Which is the single pole MCB? | ಸಿಂಗಲ್ ಪೋಲ್ MCB ಯಾವುದು?



A. A

B. B ☒

C. C ☐

D. D

Q72 **INCORRECT** Which is protective device? | ರಕ್ಷಣಾತ್ಮಕ ಸಾಧನ ಯಾವುದು?

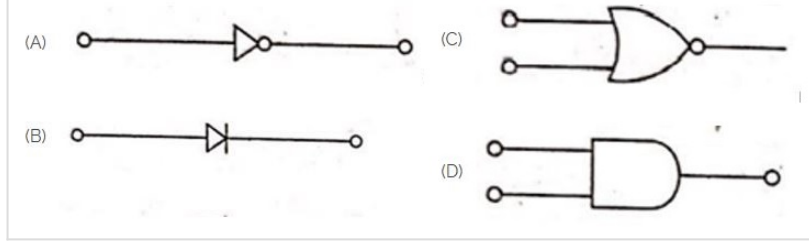
A. Fuse | ಫ್ಯೂಸ್ ☒

B. Resistor | ರೆಸಿಸ್ಟರ್

C. Magnet | ಮ್ಯಾಗ್ನೆಟ್ ☒

D. Capacitor | ಕೆಪಾಸಿಟರ್

Q73 **INCORRECT** Which is the NOT gate in the following picture? | ಕೆಳಗಿನ ಚಿತ್ರದಲ್ಲಿ NOT ಗೇಟ್ ಯಾವುದು?



A. A ☐

B. B ☐

C. C ☐

D. D ☐

Q74 **INCORRECT** Which is nose pliers? | ನೋಸ್ ಪ್ಲೇಯರ್ ಯಾವುದು?



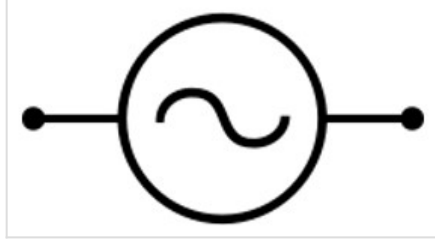
A. A ☐

B. B ☐

C. C ☐

D. D ☐

Q75 **INCORRECT** Identify the given symbol | ನೀಡಿರುವ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ



A. AC ☐

B. DC ☐

C. Ohms | ಓಮ್ಸ್ ☐

D. Inductance | ಇಂಡಕ್ಟೆನ್ಸ್ ☐