

# GOVT.ITI,H.D. KOTE

## ITI Quiz - 28-Jul-2026 12:51 PM

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100.00% 25 / 25

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| Student Name | SHIVAKUMARA KM | Access Code     | 9444     |
| Attempt No.  | #1             | Completion Time | 04:06 PM |
| Rank         | #1             | Total Questions | 25       |

25 SCORE

25 MAX MARKS

25 CORRECT

0 INCORRECT

### Answer Review

Q1 **CORRECT** Which state of equilibrium's example is, A cone resting on its base?

A. Un-stable

B. Neutral

C. Stable ☒

D. Bothe A and B

Q2 **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

Q3 **CORRECT** Which is elastic material?

A. Nylon ☒

B. Polystyrenes

C. Celluloid

D. Polycarbonates

Q4 **CORRECT** What is the ratio of change in length to original length?

A. Linear strain ☒

B. Lateral strain

C. Volumetric strain

D. Poisson's ratio

Q5 **CORRECT** What is the ratio between lateral strain and longitudinal strain?

A. Hooks law

B. Young's modulus

C. Bulk modulus

D. Poisson's ratio ☒

Q6 **CORRECT** 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

Q7 **CORRECT** Which force acts on crank shaft?

A. Shear stress

B. Torsional stress ☒

C. Tensile stress

D. Compressive stress

Q8 **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  $50\text{N/mm}^2$ ? ( $\pi = 22/7$ )

A. 1757 N

B. 1575 N

C. 1571.4 N ☒

D. 1577 N

Q9 **CORRECT** What is the young's modulus if a wire of 2m long,  $0.8\text{ mm}^2$  in cross section increases its length by 1.6 mm on suspension of 8 kg weight from it?

A.  $1.25\text{ kg/mm}^2$

B.  $12.5\text{ kg/mm}^2$

C.  $125\text{ kg/mm}^2$

D.  $12500\text{ kg/mm}^2$  ☒

Q10 **CORRECT** Which hand book referred by machine engineer?

A. Parry's cheorikal

B. CRC

C. Mark standard ☒

D. Oxford Dictionary

**Q11** **CORRECT** 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

**Q12** **CORRECT** Which authority publishes schedule of rates?

**A.** Individual

**B.** Corporate

**C.** Partnership firm

**D.** Government department ☒

**Q13** **CORRECT** What is a total cost?

**A.** Raw material cost only

**B.** Machining cost only

**C.** Raw materials cost and machining cost ☒

**D.** Advertisement cost only

**Q14** **CORRECT** Which one is included in machining estimation sheet?

**A.** Transport cost

**B.** Advertisement cost

**C.** Raw material cost ☒

**D.** Tax

**Q15** **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

**Q16** **CORRECT** Which IE rules are to be verified on completion of wiring on any new installation?

**A.** IE Rules, 1956 ☒

**B.** IE Rules, 1960

**C.** IE Rules, 1961

**D.** IE Rules, 1967

**Q17** **CORRECT** 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

**Q18** **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/cm<sup>3</sup>)?

**A.** 312 kg ☒

**B.** 372 kg

**C.** 410 kg

**D.** 525 kg

**Q19** **CORRECT** What is the estimation of milling cost of a rectangular block size 100 X 80 X60 mm, if cost of the milling is Rs.2/sq.cm?

A. Rs.652/-

B. Rs.752/- ☒

C. Rs.572/-

D. Rs.960/-

**Q20** **CORRECT** 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

**Q21** **CORRECT** Which state of equilibrium's example is, A cone resting on its base?

A. Un-stable

B. Neutral

C. Stable ☒

D. Bothe A and B

**Q22** **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

**Q23** **CORRECT** What is the name of the structure formed, if a steel is heated for about 723 Degree C?

A. Cementite

B. Austenite ☒

C. Martensite

D. Ferrite

**Q24** **CORRECT** Which is the suitable nitriding process for all alloyed and unalloyed steels?

A. Silver nitriding

B. Nitriding in salt-bath ☒

C. Nitriding in Quenching tank

D. Gas nitriding

**Q25** **CORRECT** 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