

Duration: 180 Mins

Total Marks: 25

ID: ITISKILL5772NJ

Student Name: _____ Roll No: _____

1. What is the total cost to assemble 10 personal computer systems, spares cost as given for one system: 1 TB hard disc Rs.4500/-, Intel i3 mother board Rs.7000/-, SMPS Rs.2500/-, monitor Rs.6000/-, keyboard Rs.1000/-, other material cost (Switches, USB, Cabl

- A) Rs.250000/-
C) Rs.275000/-
- B) Rs.225000/-
D) Rs.265000/-

2. What is a under estimate?

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

3. 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
C) Rs. 2000
- B) Rs. 2400
D) Rs. 1400

4. Which is thermo plastic material?

- A) Vinyl polymers
C) Butyl rubber
- B) Neoprene
D) Nylon

5. What is the name of heat treatment process done to relieve strain and stress?

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

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

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

7. What is the minimum permissible area of conductor (U/G cable) for three and half cores cable?

- A) 50 sq.mm
C) 5 sq.mm
- B) 25 sq.mm
D) 100 sq.mm

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

- A) At the centre
B) At the radius

- C) At the diameter
D) On the circumference

9. What is the main factor to be considered while preparing a detailed estimate?

- A) Location of material
C) Shape of material
- B) Quantity, availability and transportation of materials
D) Brand of the materials

10. What is the purpose of tempering a steel?

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

11. 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) 1575 N
C) 1577 N
- B) 1571.4 N
D) 1757 N

12. Which one is the most reliable estimate?

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

13. 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.752/-
C) Rs.960/-
- B) Rs.572/-
D) Rs.652/-

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

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

15. What is the unit of strain?

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

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

- A) Poisson's ratio
B) Bulk modulus

C) Young's modulus

D) Hooks law

17. Which affects the centre of gravity of the object

A) Shape

B) Mass

C) Density

D) Weight

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

A) Strain

B) Poisson's ratio

C) Factor of safety

D) Stress

19. What is the formula for bulk modulus?

A) Shear stress/Shear strain

B) Compressive stress/Compressive strain

C) Tensile stress/Tensile strain

D) Volumetric stress/Volumetric strain

20. Which one is the ratio of stress?

A) Load and diameter

B) Load and area

C) Load and direction

D) Load and time

21. What is the term used for the method of calculating

various quantities and expenditure on a particular job or process?

A) Specification

B) Drawing

C) Plan

D) Estimation

22. What cables are used for 132KV lines?

A) High tension

B) Super tension

C) Extra super voltage

D) Extra high tension

23. Which state of equilibrium's example is, A cone resting on its base?

A) Un-stable

B) Stable

C) Neutral

D) Both A and B

24. Which law states that within elastic limit stress is directly proportional to strain?

A) Newtons law

B) Joules law

C) Charles law

D) Hooks law

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

A) Dictionary

B) Biography

C) Information Table

D) Bibliography