Test2batch1

Q. ID: ITISKILL3798TP

October 2026 **GITIANKOLA** Question Paper

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Score: 24/25 (96.00%)

Code: 4700

1. Electrical conductivity of gold is

A) 56% **B) 67% (Correct)**
C) 94% D) 100%

2. What is stationary electric charges?

A) Static charges (Correct) B) Kinetic charges
C) Chemical charges D) Electrical charges

3. What is the unit of electric charge?

A) Volts B) Hertz
C) Ampere **D) Coulomb (Correct)**

4. Which material contains eight electrons in valency layer?

A) Insulators (Correct) B) Conductors
C) Semiconductors D) Intrinsic semiconductors

5. Which material is used as electrical insulator?

A) Gallium **B) Porcelain (Correct)**
C) Aluminium D) Germanium

6. Which electrical parameter opposes the flow of electrons?

A) Power B) Voltage
C) Current **D) Resistance (Correct)**

7. How the single strand wire is called?

A) Flexible wire B) Twisted wire
C) Hook up wire (Correct) D) Multi strand wire

8. What is the purpose of covering provided over the electrical conductor?

A) Increase current flow B) Reduce current flow
C) Decrease voltage rating **D) Protection against weather (Correct)**

9. Which material conducts electricity?

A) Mica B) Paper
C) Glass **D) Copper (Correct)**

10. How many electrons are contained in coulomb of electric charge?

A) 6.25 x 108 electrons B) 6.25 x 1012 electrons
C) 6.25 x 1016 electrons **D) 6.25 x 1018 electrons (Correct)**

11. How the movement of electrons through a conductor in a particular direction is called?

A) Resistance B) Inductance
C) Conductance **D) Electric current (Correct)**

12. Which metal has very good conductivity to the electric current?

A) Gold B) Copper
C) Silver (Correct) D) Aluminium

13. Which electrical property opposes the flow of electrons?

A) Power B) Voltage
C) Current **D) Resistance (Correct)**

14. How many gauge numbers in SWG, changed to double the cross section area of the conductor?

A) Two gauge sizes decreased B) Four gauge sizes increased
C) Five gauge sizes increased **D) Three gauge sizes decreased (Correct)**

15. What are the fundamental properties of insulation materials?

A) Length and cross sectional area B) Low resistance and thermal heat
C) Temperature and electrical hazards **D) Insulation resistance and dielectric strength (Correct)**

16. What is the shape of standard wire gauge?

A) Square metal disk **B) Circular metal disk (Correct)**
C) Cylindrical glass disk D) Rectangular plastic disk

17. What is the name of the pair of metal strips used in battery cell?

A) Cathode B) Electrolyte
C) Electrodes (Correct) D) Carbon rod

18. Which electrolyte is used in lead-acid battery?

A) Zinc chloride **B) Sulphuric acid (Correct)**
C) Alkaline solution D) Potassium hydroxide solution

19. How batteries are classified?

A) Dry cells and alkaline cells
B) Button cells and lithium cells
C) Primary cells and secondary cells (Correct)
D) Cylindrical cells and rectangular cells

20. Which battery is used for cellular phones?

A) Nickel ion
B) Lithium ion (Correct)
C) Zinc chloride
D) Sodium sulphur

21. Which material is used for negative terminal of alkaline manganese dioxide batteries?

A) Zinc (Correct)
B) Lithium
C) Cadmium
D) Nickel hydroxide

22. What is the unit of electric charge?

A) Volts
B) Hertz
C) Ampere
D) Coulomb (Correct)

23. What is the rated voltage of a single cell in lead acid battery?

A) 1.5 V
B) 2.0 V (Incorrect)
C) 2.2 V
D) 12 V

24. Which energy is converted by the battery to produce electricity?

A) Electrical energy into light energy
B) Chemical energy into electrical energy (Correct)
C) Mechanical energy into electrical energy
D) Electrical energy into mechanical energy

25. What is the effect on a secondary cell supplying current to the load?

A) Leaking
B) Charging
C) Unloading
D) Discharging (Correct)