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Physics Guess Papers 2018 (10th Class) Evening Shift
                                                       Objective Type (MCQs)
Multiple Choice Questions
     1. Which of the following devices can be used to produce both a transverse and longitudinal wave?
    A STRING
    A RIPPLE TANK
    A HELICAL SPRING
    A TUNING FORK
                                                          ve to achieve
     2. which of the following is a method of energy transfer
   conduction
    wave motion
   all of the above
    3. In a vacuum all electromagnetic waves have the same
                                           Learn
    Speed
    Frequency
    Amplitude
    Wavelength
    4. Which of the following characteristics of wave is independent of the other
    Frequentcy
    Amplitude
    Wavelength
     5. Time to complete one vibration is
   Time period
    Amplitude
    Frequency
    6. Which form of the energy is sound
    Electrical
    Mechanical
    Thermal
    Chemical
    7. Intensity level of the mosquito bussing is
    70db
    40DB
    10DB
    ODB
    8. What is the unit of or intensity of sound
    Ms-1
    Decibel
    Wm<sup>-2</sup>
    None
    9. Which of the following requires a medium for its propagation
    Heat
    Light
    Sound
    None
10. A converging mirror with a radius of 20 cm creates a real image 30 cm from the mirror that is the object distance
    15 cm
    7.5 cm
    5.0 cm
    11. A large ripple tank with a vibrator working at a frequency of 30HZ produces 25 complete waves in a distance of 50 cm. The volicity of
         the waves is
    60 cm-1
    5/3 cms-1
    750 cm-1
    1500 cms-1
    12. Which is the example of a longitudinal wave
    Sound wave
    Light wave
     Radio wave
    Water wave
     13. Which type of the image is formed by a concave lens on a screen
    Inverted and real
    Inverted and virtual
    Upright and real
    Upright and virtual
    14. If a ray of light glass is incident on an air surface at an angle great than the critical angle., the ray will
   Refract only
    Reflect only
    Partially refract and partially reflect
   Diffract
    15. How many kinds of mirror are there
    3
    2
    5
     16. Which of the following used as din automobiles and motor cycles
    Concave mirrors
    Concave lenses
    Convex mirrors
     17. What is the speed of light in water is
    2.3 x 10<sup>s</sup> ms<sup>-1</sup>
    3 x 10° ms-1
    2 x 10° ms-1
                  Enter to Learn, Leave to achieve
   3 x 10 ms-1
     18. A positive electric charge
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Attracts other positive charge Repels other positive charge Attracts a neutral charge Repels a neutral charge 19. Capacitance is defined as

20. The instrument which is used for testing the nature of charge is

VC Q/V QV V/Q

Cannot be predicted

Are the same terms

Resistance

4.8W 14.5W

23. Electric potential and EMF

21. An electric current in conductors is due to flow of Positive ions
Negative ions
Free electrons
None 22. What happens to the intensity or the brashness of the lamps connected in series as more and more lamps are added Increases Decreases Remains the same

Are the different terms Have different units 24. When we double the voltage in simple electric circuit, we double the Current Power

BCK

Current and power 25. What is the of resistance Ohm Coulomb Ampere Volt

26. What is the power rating of a lamp connected to a 12 - V source when it carries 2.5 A

27. Which statement is true about the magnetic poles
Opposite poles repel
Like poles areas Like poles attract Magnetic poles do not effect each other A single magnetic pole does not exist

28. What is the direction of the magnetic field lines inside a bar magnet

There are not magnetic field lines 29. The direction of induced e.m.f. in a circuit in accordance with conservation of Charge Momentum

30. The turn ratios of a transformer are 10. It means

31. The particles emitted from a hot cathode surface are

From north pole to south pole From south pole to north pole

From side to side

Positive ions Negative ions Protons Electrons

Monitor Memory CPU

Gathering

Nuclear fission

Positive

 $Ns = N_p / 10$, N, = 10 N, V,=V,/10

32. AND gate can be formed by using two **NOT** gates OR gates NOR gates OR gates

Control Unit 34. Which of the following is not processing Arranging Manipulating Calculating

33. The brain of any computer system is

35. Main parts of oscilloscope are 2 3

Nuclear fusion Burning of gases Chemical reaction 37. Which element has least half-life Carbon Hydrogen Polonium

36. Release of energy by Sun is due to

Cobalt 38. What kind of charges does a nucleus carry No charge Neutral Negative

39. One of the isotopes uranium is 238/92 U. The number of neutrons in this isotope is 238 92 330

40. When J.J. Thomas observed cathode rays deflection

1897 1890 1950

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