

Paper: ScienceTotal Marks: 70Month Test: 5th Term

Obt. Marks: \_\_\_\_\_

Theme/Unit: \_\_\_\_\_

Weekly Test: 10 / \_\_\_\_\_

Objective/Subjective:

ID: \_\_\_\_\_

Worksheets: 20 / \_\_\_\_\_

Name: \_\_\_\_\_

class: \_\_\_\_\_ Section: \_\_\_\_\_

Grand Total: \_\_\_\_\_

**Q# 1 Encircle the correct option. /30**

1. Unit of frequency is \_\_\_\_\_ .

- a) Meter b) Hertz c) Crest d) Trough

2. Newton's disk is made up of \_\_\_\_\_ colours.

- a) 5 b) 7 c) 9 d) 15

3) \_\_\_\_\_ colour of light refracts maximum.

- a) Red b) Green c) Yellow d) Blue

4) Blue and Red colors makes \_\_\_\_\_ color.

- a) Magenta b) Cyan c) Yellow d) Green

5) \_\_\_\_\_ is the flow of electric charges.

- a) Voltage b) Electercity c) Insulation d) Conductors

6) \_\_\_\_\_ is opposition to the flow of charges.

- a) Voltage b) Current c) Resistance d) Insulation

7) Which one of this will not conduct electercity?

- a) Copper b) Iron c) Glass d) Aluminium

8) \_\_\_\_\_ circuit is used in our house wiring.

- a) Parallel b) Series c) Both d) No one

9) Hot air ballons use conventional currents to move \_\_\_\_\_ .

- a) Upward b) Downward c) To and fro d) Left or right

10) Electron can only pass through some materials known as \_\_\_\_\_

- a) Conductor b) Insulator c) Residtor d) Light

11) \_\_\_\_\_ are used to freeze things for future use:

a) Refrigerator b) Freezers c) Heaters d) Geysers

12) Unit of resistance is \_\_\_\_\_.

a) Ampere b) Volt c) Ohm d) Charges

13) Which of these is not a primary colours of light ?

a) Red b) Green c) Yellow d) Blue

14) Cyan, Magenta Yellow are \_\_\_\_\_ colours.

a) Primary b) Secondary c) Magnetic d) Photogenic

15) Angle of incidence for which angle of refraction becomes  $90^\circ$  is called \_\_\_\_\_

a) Normal b) Critical angle c) Angle of refraction d) Angle of incidence

**Question No. 2. /12**

a) Difference between Primary and secondary colours? /4

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b) Explain the rainbow formation? /4

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C) White light is made up of seven colours, prove it? /4

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a) Explain the relationship between voltage and resistance? /4

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b) What do you know about total internal reflection? Also write its factor on which it depends upon? /4

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