

**Test NO. 5****Chapter-NO. 10-13 (1<sup>st</sup> Half Book)****Class -10<sup>th</sup>****PHYSICS****Time Allowed: 15 Minutes****Paper: (Objective type)****Maximum Marks: 12**

**Note :** You have four choices for each objective type question as A,B,C and D. The choice which you think is correct fill that circle in front of that question number. Use marker or pen in fills this circle. Cutting or filling two or more circles will result in zero mark in that question.

| Q. No. | QUESTIONS                                                              | (A)                                       | (B)                                       | (C)                       | (D)                             |
|--------|------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------------|---------------------------------|
| 1.     | In a vacuum, all electromagnetic waves have the same.                  | Speed                                     | Frequency                                 | Amplitude                 | Wavelength                      |
| 2.     | Which of the following is method of energy transfer?                   | Conduction                                | Radiation                                 | Wave motion               | All of these                    |
| 3.     | Wave transfer.                                                         | Frequency                                 | Wavelength                                | Velocity                  | Energy                          |
| 4.     | Snell's law is :                                                       | $n = \frac{\sin \angle r}{\sin \angle i}$ | $n = \frac{\sin \angle i}{\sin \angle r}$ | $n = \frac{c}{v}$         | $n = \frac{v}{c}$               |
| 5.     | Sound is form of _____ energy.                                         | Chemical                                  | Thermal                                   | Electrical                | Mechanical                      |
| 6.     | The relation between velocity, frequency and wave length of a wave is. | $Vf = \lambda$                            | $f\lambda = v$                            | $v\lambda = f$            | $V = \lambda/f$                 |
| 7.     | Which example of longitudinal wave.                                    | Sound waves                               | Light waves                               | Radio wave                | Water wave                      |
| 8.     | For a normal person, audible frequency range lies between.             | 10 Hz – 10 KHz                            | 20 HZ- 20 KHz                             | 25 HZ – 25 KHz            | 30 HZ – 30 KHz                  |
| 9.     | The index of refraction depends on the.                                | Focal length                              | Speed of light                            | Image distance            | Object distance                 |
| 10.    | A positive electric charge is.                                         | Repels other positive charge              | Attract other positive charges            | Attracts a neutral charge | Repels a neutral another object |
| 11.    | SI unit of electric intensity is.                                      | $\text{ms}^{-1}$                          | NS                                        | Nm                        | $\text{NC}^{-1}$                |
| 12.    | One Volt ( 1 V ) is equal to.                                          | 1 JC                                      | 1J                                        | $1\text{JC}^{-1}$         | $1\text{C}^{-1}$                |

**A B C D****A B C D****A B C D****A B C D****A B C D**

|   |                                                                                                            |   |                                                                                                            |   |                                                                                                            |    |                                                                                                            |    |                                                                                                 |
|---|------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------|
| 1 | <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 4 | <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 7 | <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 10 | <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 13 | <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 2 | <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D | 5 | <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D | 8 | <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 11 | <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D | 14 | <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 3 | <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D | 6 | <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 9 | <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 12 | <input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D | 15 | <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |

نوٹ: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A,B,C,D کو پین کی سیاہی یا مارکر سے اس طرح پُر کریں کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

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