

T3-Light And Sound
Model Question Paper IX
8th Standard

Science

Reg.No. :

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I. Answer all the questions

Time : 01:00:00 Hrs

Total Marks : 25

3 x 1 = 3

Part-A

- 1) Reflection from a smooth surface is called _____ reflection.
(a) regular (b) irregular (c) multiple (d) total internal
- 2) If the angle of incidence is 40° the angle of reflection is _____
(a) 10° (b) 40° (c) 20° (d) 90°
- 3) The angle between the incident ray and the normal is called _____
(a) angle of incidence (b) angle of reflection (c) angle of refraction

Part-B

- 4) The working principle of a periscope is _____
- 5) A fruit appears to be bigger in a glass of water due to _____.
- 6) Sound can not travel in _____
- 7) When we touch the ringing bell we can feel the _____
- 8) An audible sound has the frequency range of _____

5 x 1 = 5

Part-C

- 9) Identify the mistakes and correct them:
 1. The beautiful pattern that we obtain in a kaleidoscope is because of refraction.
 2. Unwanted sound from any loudspeaker that causes discomfort of any kind is called Music.
 3. An optical fibre is a device based on the principle of refraction.
- 10) Classify the pairs of media as denser and rarer.
 - a. Air, water
 - b. Air, glass
 - c. water, glass

2 x 1 = 2

Part-D

- 11) Objects present in the dark room are not visible. But when the light is switched on, everything present in the room becomes visible. why does this happen?
- 12) State the laws of reflection.
- 13) Your parents are going to buy a new house. They have been offered one on the roadside and another two lanes away from the roadside. Which house would you suggest your parents? List out the ways and means to reduce noise.
- 14) Factories should not be constructed in the residential areas. Do you agree or not? If so, why?
- 15) Veena and Rani are on the moon, Veena calls out her friend, but Rani does not hear Veena's call eventhough she is near. Discuss.

5 x 3 = 15
