

Class : VII

Max. Marks : 50

Time : 1 hr

Instructions:

- All questions are compulsory.
- Read all the questions carefully before answering.
- Answer the questions neatly and clearly.
- Answer in one or two sentences for short answer questions.
- Draw neat diagrams wherever required.

Section A – Multiple Choice Questions (1 × 10 = 10 Marks)

1. The distance travelled by an object in unit time is called:
a) Speed b) Distance c) Time d) Motion
2. The SI unit of speed is:
a) km/h b) m/s c) cm/s d) m/min
3. Which device is used to measure time?
a) Scale b) Thermometer c) Stopwatch d) Barometer
4. A straight line on a distance–time graph shows:
a) No motion b) Uniform motion c) Non-uniform motion d) Circular motion
5. Which motion is periodic?
a) Moving car b) Rotating fan c) Flying bird d) Running boy
6. The bouncing back of light from a surface is called:
a) Refraction b) Reflection c) Dispersion d) Absorption
7. A surface that reflects most of the light is:
a) Rough b) Dull c) Shiny d) Black
8. The image formed by a plane mirror is:
a) Real and inverted b) Virtual and erect c) Real and erect d) Virtual and inverted
9. The splitting of white light into different colours is called:
a) Reflection b) Refraction c) Dispersion d) Absorption
10. Which colour has the maximum wavelength?
a) Violet b) Blue c) Green d) Red

Section B – Very Short Answer Questions (2 × 10 = 20 Marks)

11. Define motion.
12. What is uniform motion?
13. Name the SI unit of time.
14. What does a distance–time graph show?
15. Give one example of periodic motion.
16. What is reflection of light?
17. Name the two laws of reflection.
18. What is a luminous object?
19. What is a shadow?
20. Name any two sources of light.

Section C – Short Answer Questions (4 × 5 = 20 Marks)

21. Explain different types of motion with examples.
22. Draw and explain a distance–time graph for uniform motion.
23. Explain the formation of image by a plane mirror.
24. Describe dispersion of light with the help of a diagram.
25. Write the differences between transparent, translucent and opaque objects.