



Standard 7

SCIENCE

Time: 1.30 Hrs.

Marks: 30

Part - I

I. Choose the correct answer:

5×1=5

- 1) Light travels only in a _____. It is because of this property that _____ are formed
 - a) curved line, shadows
 - b) straight line, shadows
 - c) straight line, reflection
 - d) curved line and the straight line, shadows
- 2) The image formed by a pinhole camera inverted because
 - a) light travels in straight lines
 - b) light rays become laterally inverted as they pass through a pinhole camera
 - c) light rays pass through the pinhole
 - d) light rays reflected
- 3) Telescope was invented by
 - a) Hans Lippershey
 - b) Galileo
 - c) Nicolaus Copernicus
 - d) Ptolemy
- 4) The galaxy containing young and hot stars is
 - a) elliptical galaxy
 - b) irregular galaxy
 - c) cluster
 - d) spiral galaxy
- 5) A good application of plastic is the use of _____
 - a) blood bags
 - b) plastic cutlery
 - c) plastic straws
 - d) plastic carry bag

II. Fill in the blanks:

2×1=2

- 6) The splitting of white light into _____ is called dispersion.
- 7) A natural fibre obtained by boiling cocoons is called _____

III. True or False:

2×1=2

- 8) We see a book because it reflects the light that falls on its surface.
- 9) Our Milky Way galaxy is identified as an elliptical galaxy.

IV. Analogy:

1×1=1

- 10) Older stars : elliptical galaxies :: younger star : _____

V. Match the following:

5×1=5

- | | | |
|--------------|---|---------------------|
| 11) Fire fly | - | GSLV-Mark III |
| 12) The Moon | - | GSLV-D5 |
| 13) GSAT-14 | - | Thermoplastic |
| 14) GSAT-19 | - | Non-luminous object |
| 15) PVC | - | Luminous object |

Part - II

VI. Answer the following questions in short: (Answer any 5 questions) 5×2=10

- 16) With the help of a diagram, state the laws of reflection.
- 17) Is the moon a luminous object?
- 18) Write the items given here in the correct column (stars, brick walls, plants, mirror, planets, electric bulb, candle)
- 19) Name the four different types of galaxies.
- 20) What is constellation?
- 21) What is the chemical name of the polymers that make up-cotton?
- 22) A bucket made of plastic does not rust like a bucket made of iron. Why?
- 23) What is the 5R principle?

VII. Answer in detail: (Answer any 1 questions)

1×5=5

- 24) Differentiate between a reflection and a shadow.
- 25) Explain the waxing and waning phases in Venus.
- 26) a) What does the term biodegradable mean?
b) What kind of fabric is suitable to dress-up-and play in the summer?