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## Standard 7

Time: 1.30 Hours

**SCIENCE**

Marks: 30

**I. Choose the best 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
  - c) Curved line & then straight line, shadows
- 2) Choose the translucent substance from the following
 

a) Glass	b) Wood
c) Water	d) Clouds.
- 3) The Moon takes ..... days to complete one revolution around the Earth.
 

a) 25	b) 26
c) 27	d) 28
- 4) Telescope was invented by .....
 

a) Han Lippershey	b) Galileo
c) Ptolomy	d) Nicolus Copernicus
- 5) PET is the acronym for .....
 

a) Polyester	b) Polyester and terylene
c) Polyethylene terephthalate	d) Polyetheneterylene

**II. Fill in the blanks:****3×1=3**

- 6) A natural fibre obtained by boiling cocoons is called .....
- 7) ..... is the first satellite launched by India.
- 8) Sunlight is a blended of ..... colours.

**III. True or False, If false, give the correct answer:****3×1=3**

- 9) The image formed by the plane mirror is laterally inverted, hence the image seen through the periscope is also laterally inverted.
- 10) The planet Venus in our solar system doesn't have a moon.
- 11) It is good to wear clothes made of synthetic fibres while cooking.

V7S

4×1=4

**IV. Match the following:**

- |                             |   |                          |
|-----------------------------|---|--------------------------|
| 12) Rectilinear Propagation | - | Primary Source of light. |
| 13) Plane mirror            | - | Pin hole camera          |
| 14) Band of seven colours   | - | Periscope                |
| 15) The sun                 | - | Spectrum of light        |

**V. Answer any five:**

5×2=10

- 16) What are luminous objects?
- 17) What is Prism?
- 18) What do you mean by visible light?
- 19) Name the four different types of galaxies?
- 20) Give the expansions of PSLV and GSLV.
- 21) **Analogy:-**
  - i) Cotton : Natural : : Polyester : .....
  - ii) PLA Spoon : Compostable : : Plastic Spoon : .....
- 22) What is the 5R principle?
- 23) Give two examples of thermosetting plastics.
- 24) If a ray of light is falling on a plane mirror at an angle of  $50^\circ$  is formed, what will be the angle of reflection.

**VI. Answer in Detail:**

1×5=5

- 25) a) Compare the images formed by plane mirror with that by pinhole camera.

**(OR)**

- b) List the advantages and disadvantages of synthetic fibres.
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