

# COMMON THIRD MID-TERM TEST - 2023

Standard VII

Reg.No

--	--	--	--	--	--

## SCIENCE

Time: 1.30 hours

Marks: 50

10 x 1 = 10

### I. Choose the correct answer:

- Light that hits a mirror gets \_\_\_\_\_  
a) transmitted      b) reflected      c) absorbed      d) refracted
- Light is a form of \_\_\_\_\_  
a) matter      b) energy      c) medium      d) particle
- Choose the translucent substance from the following.  
a) glass      b) wood      c) water      d) clouds
- Reflection occurs, when the light  
a) about to reach a surface      b) approaches a surface  
c) passes through a surface      d) none of these
- The Moon takes \_\_\_\_\_ days to complete one revolution around the Earth.  
a) 25      b) 26      c) 27      d) 28
- Telescope was invented by  
a) Han Lippershey      b) Galileo  
c) Nicolus Copernicus      d) Ptolomy
- With the launch of this satellite, ISRO became capable of launching 4 ton heavy satellites.  
a) GSAT - 13      b) GSAT - 14      c) GSAT - 17      d) GSAT - 19
- Which of the following is the strongest \_\_\_\_\_  
a) rayon      b) nylon      c) acrylic      d) polyester
- A good application of plastic is the use of \_\_\_\_\_  
a) blood bags      b) plastic cutlery  
c) plastic straws      d) plastic carry bag
- \_\_\_\_\_ is a non-biodegradable material.  
a) paper      b) a plastic bottle  
c) cotton cloth      d) wool

### II. True (or) False :

5x1=5

- We see planets because they reflect light from the sun.
- The image formed in a pin hole camera is always inverted.
- The word crescent refers to the phases where the Moon is less than half illuminated.
- Our Milky Way galaxy is identified as an elliptical galaxy.
- It is good to wear clothes made at synthetic fibres while cooking.

(2)

VII Science

## III. Match the following :

5 x 1 = 5

16. Nylon - Thermoplastic  
 17. PVC - Thermosetting plastic  
 18. Bakelite - Fibre  
 19. Tetlon - Wood pulp  
 20. Rayan - Non-stick cookwares

## IV. Give short answers for any 10 :

10 x 2 = 20

21. What are the Luminous objects?  
 22. What are the parts of shadow?  
 23. What is prism?  
 24. a) \_\_\_\_\_ reflection helps us to see the objects.  
 b) The moon ~~reflects~~ sunlight.  
 25. A boy of height 1 m 45 cm is standing in front of a long mirror at a distance of 2 m. From this information, fill up the following sentences :  
 a) The distance between the boy and his image is \_\_\_\_\_.  
 b) The height of the image is \_\_\_\_\_.  
 26. What is constellation?  
 27. Analogy:  
 a) older stars : elliptical galaxies :: Younger stars : \_\_\_\_\_.  
 b) Nearest galaxy : Andromeda :: Nearest star : \_\_\_\_\_.  
 28. a) Waxing of moon means \_\_\_\_\_.  
 b) \_\_\_\_\_ is a large constellation which covers a large parts of the sky.  
 29. Which country launched the world's first satellite?  
 30. Analogy:  
 a) Cotton : natural :: Polyester : \_\_\_\_\_.  
 b) Nylon : Melts on heating :: Silk : \_\_\_\_\_.  
 31. Why is it better to avoid the use of plastic products?  
 32. What is the 5R principle?

## V. Answer in detail : (any two)

2 x 5 = 10

33. Differentiate between Reflection and a Shadow.  
 34. Define the following terms :  
 a) Incident ray  
 b) Reflected ray  
 c) Normal  
 d) Angle of incidence  
 35. Write short notes on constellation.  
 36. Suggest safe methods of disposing plastics.