

**THIRD TERM EXAMINATION – 2024**  
**SUMMATIVE ASSESSMENT - SCIENCE**

A

Class: 7

Time :2 Hrs.

Marks: 60

**I. Choose the correct answer.****8 x 1 = 8**

1. Choose the translucent substance from the following.  
a) glass                      b) wood                      c) water                      d) clouds
2. The galaxy containing young and hot stars is \_\_\_\_\_.  
a) elliptical galaxy      b) irregular galaxy      c) cluster                      d) spiral galaxy
3. \_\_\_\_\_ is a non-biodegradable material.  
a) Paper                      b) A plastic bottle      c) Cotton cloth              d) Wool
4. The lowest temperature at which a substance catch fire is called its \_\_\_\_\_.  
a) boiling point                      b) melting point  
c) critical temperature              d) ignition temperature
5. Eggs are rich in \_\_\_\_\_.  
a) protein                      b) carbohydrate              c) fat                      d) acid
6. The keyboard shortcut used to copy the selected text is \_\_\_\_\_.  
a) Ctrl+C                      b) Ctrl+V                      c) Ctrl+X                      d) Ctrl+A
7. In a plane mirror, the angle of incidence is  $57^\circ$ . What is the angle of reflection?  
a)  $57^\circ$                       b)  $33^\circ$                       c)  $43^\circ$                       d)  $60^\circ$
8. The natural polymers found in plant is \_\_\_\_\_.  
a) plastics                      b) polyester                      c) cellulose                      d) rayon

**II. Fill in the blanks.****5 x 1 =5**

9. Sunlight is a blend of \_\_\_\_\_ colours.
10. An astronomical unit value is \_\_\_\_\_ km.
11. \_\_\_\_\_ is an example for natural fibre.
12. In the presence of water, the ignition temperature of paper is \_\_\_\_\_.
13. Proteins and \_\_\_\_\_ are rich in milk.

**III. Say True or False. If false, give the correct answer.****5 x 1 =5**

14. The image formed in a pinhole camera is always inverted.
15. On a full moon day, when the sun is setting in the west, moon rises in the west.
16. Cotton is a natural polymer.
17. Burning wood and coal causes pollution of air.
18. Horse hair is used as bristles in small painting brushes.

**IV. Match the following.****5 x 1 = 5**

19. Chandrayaan - 2 - i) Spectrum of light  
20. Band of seven colours - ii) Thermo setting plastic  
21. Bakelite - iii) Reduce pain  
22. Analgesic - iv) Andhra Pradesh  
23. Peace silk - v) GSLV Mark III M1

**V. Complete the Analogy.****3 x 1 = 3**

24. Nearest galaxy : Andromeda :: Nearest Star : \_\_\_\_\_.  
25. PLA Spoon : Compostable :: Plastic Spoon : \_\_\_\_\_.  
26. Milli ampere : micro ampere ::  $10^{-3}A$  : \_\_\_\_\_.

**VI. Write short Answer (any seven).****7 x 2 = 14**

27. With the help of a diagram state the laws of reflection.  
28. If a ray of light is falling on a plane mirror at an angle of  $45^\circ$ , what will be the angle of reflection?  
29. Give the expansions of PSLV and GSLV.  
30. What is the 5R principle?  
31. What are the types of natural silk?  
32. Name some natural antiseptics.  
33. What is ignition temperature?  
34. Which are the famous places for silk production in Tamil Nadu?  
35. What is the use of Text document software?

**VII. Answer in detail (any four).****4 x 5 = 20**

36. What are the characteristics of an image formed in a plane mirror?  
37. List out:-  
i) Parts of shadow  
ii) Properties of shadow  
38. Write short notes on constellations.  
39. Suggest safe methods of disposing plastics.  
40. What are the characteristics of good fuel?  
41. Draw a neat, labelled diagram of life cycle of butterfly.