

ANNUAL EXAMINATION – 2024
SCIENCE**A****Class: 8****Time :2.30 Hrs.****Marks: 100****I. Choose the Correct answer.****10 × 1 = 10**

1. SI unit of temperature is _____.
a) celsius b) fahrenheit c) kelvin d) ampere
2. The electrification of two different bodies on rubbing is because of the transfer of _____.
a) neutrons b) protons c) electrons d) protons and neutrons
3. What kind of musical instrument is a sitar?
a) String instrument b) Percussion instrument c) Wind instrument d) None of these
4. A magnet attracts _____.
a) wooden materials b) any non metal c) plastic d) iron and steel
5. Mangalyaan was sent to _____.
a) Moon b) Mars c) Venus d) Mercury
6. In acidic solutions blue litmus changes into _____ colour.
a) blue b) green c) red d) white
7. What is called a black diamond?
a) Petroleum b) Water c) Natural Gas d) Coal
8. Plants that prevent soil erosion are _____.
a) Algae b) Fungi c) Bryophytes d) Pteridophytes
9. The World Environmental Day _____.
a) March 21 b) March 22 c) June 5 d) July 28
10. Which of the following is a relational operator?
a) + b) > c) - d) NOT

II. Fill in the blanks.**10 × 1 = 10**

11. Hydraulic lift works under the principle of _____.
12. Sound with a frequency greater than 20000 Hz is called as _____.
13. The magnetic strength is _____ at the poles.
14. Our sun belongs to _____ galaxy.
15. The symbol of Tungsten is _____.
16. Fuel of the future is _____.
17. _____ is known as marsh gas.
18. _____ muscle makes pupil of eyes wider.
19. Bacteria that fix atmospheric nitrogen is _____.
20. Mudhumalai Wildlife Sanctuary is located in _____ district.

III. State true or false.**5 × 1 = 5**

21. Electroscope is a device used to charge a body by induction.
22. The propellant of a rocket is only in the form of solids.
23. Producer gas is also known as natural gas.
24. Nilgiri Tahr is endangered animal.
25. The molecular formula of methane is CH₃.

IV. Match the following.**5 × 1 = 5**

- | | | |
|--|---|--------------|
| 26. Meghamalai wildlife Sanctuary | - | Tirunelveli |
| 27. Vandaloor Wildlife Sanctuary | - | Theni |
| 28. Kalakad Wildlife Sanctuary | - | Chennai |
| 29. Grizzled Squirrel Wildlife Sanctuary | - | Kanchipuram |
| 30. Vedanthangal Wildlife Sanctuary | - | Virudhunagar |

V. Answer very briefly for any 15 questions only.**15 × 2 = 30**

31. Complete the analogy: Downward force: Weight:: Upward force offered by liquid: _____.
32. What is vibration?
33. Define magnetic field.
34. Name the Indians worked at NASA.
35. How can you identify non-magnetic materials? Give an example of a non-magnetic material.
36. Write the symbols for the following elements.
a) Oxygen b) Gold c) Calcium d) Iron
37. What is pollution?
38. State the law of constant proportions.
39. Water is a universal solvent. Give the reason.
40. Expand CNG. Give any two examples.
41. Name the places in Tamil Nadu harnessing wind energy from wind mills.
42. What do you mean by catenation?
43. Which diseases can be prevented by vaccination?
44. What is meant by binomial nomenclature? Give example.
45. Differentiate between movement and locomotion.
46. List out the changes which occur during puberty.
47. What is green manure?
48. Why did the numbers of tiger and black buck decrease?
49. What is sorting?

VI. Answer briefly for any 5 Questions only.**5 × 3 = 15**

50. If two plane mirrors are inclined to each other at an angle of 90° , find the number of images formed.
51. Give two differences between music and noise.
52. We always see one side of the moon. Why?
53. Mention the physical properties of oxygen.
54. Mention the advantages of natural gas.
55. How is the skeleton of a bird well-suited for flying?
56. Write the four names of national parks in Tamil Nadu.

VII. Answer in detail all the Questions.**5 × 5 = 25**

57. a) List out the base quantities with their units.
(or)
b) List out the uses of magnets.
58. a) What steps should be taken to reduce the effect of noise pollution?
(or)
b) What are the objectives of Chandrayaan-1?
59. a) What are the physical properties of acids?
(or)
b) List out the characteristics of fuel.
60. a) Draw the animal cell and point out its parts.
(or)
b) Are animals affected by deforestation? How?
61. a) Give a detailed account on irrigation.
(or)
b) What are the functions of skeleton in human body?