

B**COMMON ANNUAL EXAMINATION - 2024****Standard - VIII****SCIENCE****Marks:100****15x1=15****I Choose the correct Answers.**

1. Electric current is a _____ quantity.
a) base b) supplementary c) derived d) professional
2. Unit of pressure is _____
a) Pascal b) Nm^{-2} c) Poise d) Both a and b
3. If the image and object distance is same, then the object is placed at _____
a) infinity b) at F c) between F and p d) at C
4. Heat is a form of _____
a) electrical energy b) gravitational energy
c) thermal energy d) none of these
5. Fuse is _____
a) a switch
b) a wire with low resistance
c) a wire with high resistance
d) a protective device for breaking an electric circuit.
6. The amplitude of the sound wave decides its _____
a) speed ~~b) pitch~~ c) loudness d) frequency
7. MRI stands for _____
a) Magnetic Resonance Imaging b) Magnetic Running Image
c) Magnetic Radio Imaging d) Magnetic Radar Imaging
8. Chandrayan - I was launched on _____
a) 22nd October 2008 b) 8th November 2008
c) 22nd July 2019 d) 22nd October 2019
9. Symbol of mercury is _____
a) Ag b) Hg c) AU d) pb
10. Which of the following is known as azote?
a) Oxygen b) Nitrogen c) Sulpher d) Carbon dioxide
11. _____ is the coal of superior quality.
a) peat b) Lignite c) Bituminous d) Anthracite
12. The process of air passing in and out the lungs is called _____
~~a) inhalation~~ b) exhalation c) breathing d) none of these
13. Which of the following is not present in panchagavya?
a) cow dung b) cow's urine c) curd d) sugar
14. Deforestation means _____
a) cleaning of forest b) to grow plants
c) to look after plants d) none of these
15. All functions begins with an _____
a) = b) - c) > d) }

II Fill in the blanks

16. Magnets are used in _____ for generating electricity.
17. Proton is deflected towards the charged plate _____ (positively, negatively.)
18. Producer gas is a mixture of CO and N
19. Heritiam seeds transfer their unique characteristics to the descents.
20. WWF stands for World wild life fund

5x1=5

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(2)

VIII Science

5x1=5

III Match the following:

- | | | | |
|------------------|---|----------------|---|
| 21. Conduction | - | Food | 3 |
| 22. Chandrayaan | - | Green algae | 5 |
| 23. Spoilage | - | Born in colour | 4 |
| 24. Lignite | - | Moon | 2 |
| 25. Cyanophyceae | - | Solid | 1 |

IV Say true (or) false.

26. Chandrayaan-I was launched from Sriharikota. ✓
 27. Soap lathers well in hard water. X
 28. All bases are alkalis. X
 29. Cell wall of fungi is made up of chitin. ✓
 30. Skull in humans consists of 22 bones. ✓

V Answer the following questions. (any 15)

31. Define one atmosphere. $1.01 \times 10^5 \text{ Nm}^{-2}$

32. Define magnetic field. Space around magnet where magnetic effect is observed.

33. Distinguish between natural and artificial magnets.

33	Natural Magnet	Artificial Magnet
(i) Natural	(i) Man made	5x1=5
(ii) Long lasting	(ii) Time bound	

34. What are celestial objects? Sun, Moon, Comets, Asteroids.

35. What are cryogenic fuels? are fuels used in Rocket.

36. Define Alchemy. ways to change ordinary metals to Gold in olden days.

37. Define a chemical reaction. Ans: chemical changes, Reactants → Products

38. Write about the reaction of nitrogen with non-metals. Form Nitrogen compounds.

39. What do you mean by catenation? Ex: $3\text{H}_2 + \text{N}_2 \rightarrow 2\text{NH}_3$

40. Expand CNG. List out its uses. compressed Natural gas. used as fuel.

41. Who discovered penicillin? → Alexander Fleming

42. What are pathogens? Disease causing germs

43. Define - Thallus → Plant body of Algae

44. What is cell differentiation? → change of structure & function of cells

45. Define ploughing → loosening & turning of soil.

46. What is crop rotation? → Planting series of different crops in same field

47. What is global warming? → Increase in CO_2 & rising temperature of atmosphere

VI Answer in detail (any 8)

49. Write a short note on different types of clocks.
 50. What is electroplating? Explain how it is done.
 51. Explain the parts of a rocket.
 52. Explain the neutralization reactions in our daily life.
 53. Explain the different types of coal.
 54. Write a short note on bacteria and its structure.
 55. Explain the role of hormones in reproduction.
 56. What is weed? Explain the different methods of weed control.
 57. What is deforestation? Explain the causes and effects of deforestation.
 58. What is the purpose of charts?

39) (Ans) Property of carbon to form bonds with itself resulting in single large structure or chain is called catenation.

48) Tissue culture is technique of growing plant cells, tissues, seeds or other plants in sterile environment.