

**COMMON QUARTERLY EXAM - 2024****Standard - VIII****Time : 2.30 hrs****SCIENCE****Marks: 100**

2.6/24

**15×1=15****I. Choose the best answers:-**

- 1) Which one the following systems of unit is the British System of unit?  
a) CGS                      b) MKS                      c) FPS                      d) SI
- 2) SI unit of temperature is \_\_\_\_\_  
a) celsius                      b) fahrenheit                      c) kelvin                      d) ampere
- 3) Unit of pressure is  
a) Pascal                      b) Nm<sup>2</sup>                      c) Poise                      d) Both a and b
- 4) The spherical mirror used as a rear view mirror in the vehicle is  
a) concave mirror                      b) convex mirror                      c) plane mirror                      d) None of the above
- 5) Heat is a form of \_\_\_\_\_  
a) electrical energy                      b) gravitational energy  
c) thermal energy                      d) None of these
- 6) Symbol of mercury is \_\_\_\_\_  
a) Ag                      b) Hg                      c) Au                      d) Pb
- 7) Burning of paper is a \_\_\_\_\_ change  
a) physical                      b) chemical                      c) physical and chemical                      d) neutral
- 8) Which of the following is known as azote?  
a) Oxygen                      b) Nitrogen                      c) Sulpher                      d) Carbondioxide
- 9) Microorganisms are measured in \_\_\_\_\_  
a) cm                      b) mm                      c) micron                      d) meter
- 10) Based on shape, the bacteria are classified into \_\_\_\_\_ types  
a) two                      b) three                      c) four                      d) five
- 11) One of the following is an edible mushroom  
a) Polyporus                      b) Agaricus                      c) Pennicillium                      d) Aspergillus
- 12) Plants that prevent soil erosion are  
a) algae                      b) fungi                      c) bryophytes                      d) pteridophytes
- 13) Binominal nomenclature was first introduced in the year  
a) 1970                      b) 1975                      c) 1978                      d) 1623
- 14) \_\_\_\_\_ is tough and thick white sheath that protects the inner parts of the eye  
a) sclera                      b) conjunctiva                      c) cornea                      d) iris
- 15) \_\_\_\_\_ cells are specialised cells that can be transformed into any kind of cells  
a) Nerve                      b) Stem                      c) Heart                      d) Bone

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

- 16) \_\_\_\_\_ is used to measure Electric current.
- 17) A simple parameter was first constructed by \_\_\_\_\_
- 18) The mirror used by the ophthalmologist to examine the eye is \_\_\_\_\_
- 19) A calorimeter is a device used to measure the \_\_\_\_\_
- 20) The symbol of tungsten is \_\_\_\_\_
- 21) Photosynthesis is a chemical reaction that takes place in the presence of \_\_\_\_\_
- 22) \_\_\_\_\_ is used as fertilizer.
- 23) Microorganism can be seen with the help of a \_\_\_\_\_
- 24) Monocotyledon seed bears only \_\_\_\_\_ cotyledon
- 25) Agar' Agar is obtained from \_\_\_\_\_ algae.

(2)

## VIII SCIENCE

10×1=10

## III. Match the following:-

- |                               |   |                            |
|-------------------------------|---|----------------------------|
| 26) Rusting                   | - | Photosynthesis             |
| 27) Electrolysis              | - | Haber's process            |
| 28) Thermolysts               | - | Iron                       |
| 29) Food                      | - | Brine                      |
| 30) Catalysis                 | - | Decomposition of limestone |
| 31) Nitrogen fixing bacteria- |   | Vaccine                    |
| 32) Tuberculosis              | - | Prion                      |
| 33) Kuru                      | - | Lactobacillus acidophilus  |
| 34) Probiotics                | - | Bacteria                   |
| 35) Edward Jenner             | - | Rhizobium                  |

## IV. State True or False.

- 36) A moving body comes to rest due to friction alone. 5×1=5
- 37) A chemical reaction is a temporary reaction.
- 38) female anopheles mosquito is a carrier of dengue virus.
- 39) Pinus is a closed seeded plant.
- 40) Human beings are warm blooded in nature.

## V. Short answers: (any 15)

15×2=30

- 41) What is measurement?
- 42) What is electric current?
- 43) Mention any three ways of minimising friction.
- 44) State Pascal's law and mention its applications.
- 45) Define focal length.
- 46) Give any two applications of a concave and convex mirror
- 47) Name three types of heat transfer.
- 48) Define one calorie.
- 49) Define Alchemy.
- 50) Name the metals that are used in jewellery.
- 51) Define a chemical reaction.
- 52) What is pollution?
- 53) List out the uses of nitrogen.
- 54) What is global warming?
- 55) Write the four types of bacteria based on the ir shape.
- 56) What are Pathogens?
- 57) Define - Thallus
- 58) Write any two characters of dicotyledons.
- 59) Define - Prokaryotic cell.
- 60) Mention the function of 'Alveoli'

## VI. Answer all the questions:-

6×5=30

- 61) a) Write a short note on different types of clocks. [or]
- b) Explain the working of a Periscope.
- 62) a) Give the different types of friction and explain each with an example. [or]
- b) Explain the environmental effects of chemical reactions?
- 63) a) What are the effects of acid rain? How can we prevent them? [or]
- b) Write a short note on bacteria and its structure.
- 64) a) Write the names of medicinal plants and explain their uses. [or]
- b) Write a short note on probiotics.
- 65) a) Write any five difference between monocot and dicot plants. [or]
- b) Write the economic importance of Gymnosperms
- 66) a) Draw the structure of human eye and label its parts. [or]
- b) Differentiate between inhalation and axhalation.

\*\*\*\*\*