

**SECOND MID TERM TEST - 2023****Standard - VIII**

Time : 1.30 hrs

**SCIENCE**

Marks: 50

I. Choose the correct answer:-

10×1=10

- 1) When an ebonite rod is rubbed with fur, the charge acquired by the fur is \_\_\_\_\_  
a) negative  b) positive   
c) partly positive and partly negative  d) none of these
- 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) Sound waves travel very fast in \_\_\_\_\_  
a) air  b) metals  c) liquids  d) vacuum
- 4) The range of audible frequency for the human ear is \_\_\_\_\_  
a) 2 Hz to 2000 Hz  b) 20 Hz to 2000 Hz   
c) 20 Hz to 20000 Hz  d) 200 Hz to 20000 Hz
- 5) Cathode rays are made up of \_\_\_\_\_  
a) positively charged particles  b) negatively charged particles   
c) neutral particles  d) none of the above
- 6) In water, hydrogen and oxygen are combined in the ratio of \_\_\_\_\_ by mass  
a) 1:8  b) 8:1  c) 2:3  d) 1:3
- 7) Which of the following parts of our body help us in movement?  
a) bones  b) skin  c) muscles  d) organs
- 8) \_\_\_\_\_ joints are immovable  
a) shoulder and arm  b) knee and joint   
c) upper jaw and skull  d) lower jaw and upper jaw
- 9) External ear (pinna) is supported by \_\_\_\_\_  
a) bone  b) cartilage  c) tendon  d) capsule
- 10) Which of the following categories of vertebrae are correctly numbered?  
a) cervical-7  b) thoracic-10  c) lumbar-4  d) sacral-4

(2)

## VIII SCIENCE

5×1=5

## II. Fill in the blanks:-

- 11) The body which has lost electrons becomes positive
- 12) High frequency sounds that cannot be heard by humans are called ultrasonic
- 13) atom is the smallest particle of an element.
- 14) The place where two bones meet is termed as \_\_\_\_\_
- 15) Skull muscle makes pupil of eyes wider.

4×1=4

## III. Match the following:-

- |                                 |   |  |
|---------------------------------|---|--|
| 16) Fuse                        | - | 330ms <sup>-1</sup> 2                  |
| 17) Speed of sound in air       | - | electron 4                             |
| 18) Positively charged particle | - | prevents a circuit from over heating 1 |
| 19) Negatively charged particle | - | proton 3                               |

## IV. Answer in short:- (any 8)

8×2=16

- 20) What is electric current?
- 21) What is electroplating?
- 22) What is ultrasonic sound?
- 23) Give two differences between music and noise.
- 24) Define valency of an element with respect to hydrogen.
- 25) Write the names of the following compounds: a) CO b) PCl<sub>5</sub>
- 26) What is Cranium?
- 27) State true or false:-
- a) Skull in humans consists of 22 bones. T
- b) Cardiac muscle is a voluntary muscle. F
- 28) Differentiate axial and appendicular skeleton.
- 29) What is a ligament?

## V. Answer in detail:- (any three)

3×5=15

- 30) Explain the three ways of charge transfer?
- 31) What steps should be taken to reduce the effect of noise pollution?
- 32) Match the following:-
- |                                |   |                     |
|--------------------------------|---|---------------------|
| a) Law of conservation of mass | - | Sir William Crookes |
| b) Law of constant proportion  | - | James Chadwick      |
| c) Cathode rays                | - | Joseph Proust       |
| d) Anode rays                  | - | Lavoisier           |
| e) Neutrons                    | - | Goldstein           |
- 33) Differentiate between movement and locomotion?
- 34) What are the functions of skeleton in human body?

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