

Dr. A. Vennila, Principal, Mydeen Matric Hr. Sec. School.  
Melacavay - kumbakonam - Thanjavur District (29.11.24)

TTK

**SECOND MID - TERM TEST - 2024****8** - Std**SCIENCE**

Time : 1.30 Hrs

Marks : 50

**I Answer all the questions by choosing correct answers from the following.** 10 x 1 = 10

- The electrification of two different bodies on rubbing is because of the transfer of ----- a) neutrons b) protons c) electrons d) protons and neutrons
- Sound waves travel very fast in a) air b) metals c) vacuum d) liquids
- Find out the odd one out a) Harmonium b) flute c) Nadhaswaram d) violin
- 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
- Water changes to ice at a) 0°C b) 100°C c) 102°C d) 98°C
- The gas collected at the cathode on electrolysis of water is a) Oxygen b) hydrogen c) Nitrogen d) Carbon dioxide
- joints are immovable. a) Shoulder and Arm b) knee and joint c) Upper jaw and skull d) lower jaw and upper jaw
- Cockroach moves with the help of its a) Leg b) bone c) muscular foot d) whole body
- Adam's apple is the growth of the a) Pharynx b) thyroid c) larynx d) para thyroid
- are the chemical substances, secreted by endocrine glands. a) Hormones b) Enzymes c) proteins d) Fatty acids

**II Fill in the blanks of the following.**

5x1=5

- is a device that protects building from lightning strike.
- Sound is produced by -----
- is negatively charged particle (Electron/Proton)
- The boiling point of water is -----
- Iron deficiency leads to-----

**III Match the following.**

- |                  |   |                          |
|------------------|---|--------------------------|
| 16. Puberty      | - | Testosterone             |
| 17. Adam's Apple | - | muscle development       |
| 18. Androgen     | - | at 45 to 50 years of age |
| 19. ICSH         | - | Sexual maturity          |
| 20. Menopause    | - | change in voice          |

5 x 1 = 5

**IV State True or False.**

- Electroscope is a device used to charge a body by induction.
- Water can conduct electricity.
- Soap lathers well in hard water.
- Cardiac muscle is a voluntary muscle.
- Using clean toilets for defecation is a good practice.

5 x 1 = 5

**V Answer any five of the following questions.**

5 x 2 = 10

- What is electroplating?
- What is vibration?
- What is an ultrasonic sound?
- State the law of conservation of mass.
- Write the names of the following compounds. a) CO<sub>2</sub> b) N<sub>2</sub>O
- Define specific heat capacity.
- Differentiate movement and locomotion.
- List out the changes which occur during puberty.

**VI Answer all the questions.**

3 x 5 = 15

- Explain three types of charge transfer. (OR)  
What steps should be taken to reduce the effect of noise pollution?
- Find the valency of the element which is underlined in the following formula.  
a) NaCl b) CO<sub>2</sub> c) Al(PO<sub>4</sub>) d) Ba(NO<sub>3</sub>)<sub>2</sub> e) CaCl<sub>2</sub>. (OR)  
Explain the different ways by which water gets polluted.
- Name the different types of joints? Give one example for each type. (OR)  
What are the physical changes that occur in boys and girls during adolescence?

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