

TERM 2  
Model question paper 2 T2

7th Standard

Science

Reg.No. : 

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 50

Part-A

9 x 1 = 9

- 1) The muscle found exclusively in the heart is \_\_\_\_\_.  
(a) skeletal muscle (b) cardiac muscle (c) smooth muscle
- 2) The skeletal system is made up \_\_\_\_\_ bones.  
(a) 206 (b) 306 (c) 606
- 3) The endocrine glands secrete chemicals called \_\_\_\_\_.  
(a) Enzymes (b) Vitamins (c) Hormones
- 4) \_\_\_\_\_ is an ancient system of natural medical healing that originated in Tamil nadu.  
(a) Siddha (b) Ayurveda (c) Unani
- 5) Pasteurization method was discovered by \_\_\_\_\_.  
(a) Hippocrates (b) Louis Pasteur (c) Agastiyar
- 6) The clean air we breathe is rich in \_\_\_\_\_.  
(a) oxygen (b) carbon dioxide
- 7) Respiration that takes place in the absence of oxygen is called \_\_\_\_\_ respiration.  
(a) aerobic (b) anaerobic
- 8) Plants breathe through tiny pores in the leaves called \_\_\_\_\_.  
(a) trachea (b) stomata
- 9) An electric cell converts \_\_\_\_\_.  
(a) chemical energy into electrical energy (b) mechanical energy into chemical energy (c) electrical energy into light energy (d) light energy into heat energy

Part-B

5 x 1 = 5

- 10) Acids have \_\_\_\_\_ (bitter / sour) taste.
- 11) Burning of a candle is an example of \_\_\_\_\_ (physical / chemical) change
- 12) Some commonly used natural indicators to identify acids and bases are \_\_\_\_\_ and \_\_\_\_\_.
- 13) A drawing of an electrical circuit with standard symbols is called a/an \_\_\_\_\_. (circuit diagram / electric diagram)
- 14) Electric toasters and electric irons get hot when switched on because of the \_\_\_\_\_ effect of current. (magnetic/heating)

Part-C

9 x 1 = 9

- 15) The following words are the various levels of organization in living organisms. Arrange them in correct sequence:  
Atoms, Cells, Organs, Organelles, Tissues, Organism, Molecule, Organ system.
- 16) Arrange the following parts of the Respiratory System in order:  
trachea, nose, alveoli, bronchi, nasal cavity, bronchiole.
- 17) The diagram of the Respiratory System of man is given here. Label the following parts in it.



nose, trachea, bronchi, lungs, bronchiole.

- 18) Fill up the missing words in the equation given below.  
a) \_\_\_\_\_ + Oxygen  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_ + Energy  
b) Glucose  $\rightarrow$  \_\_\_\_\_ + Carbon dioxide + \_\_\_\_\_
- 19) Name the organs of respiration in the :  
i) Amoeba \_\_\_\_\_ ii) Fish \_\_\_\_\_ iii) Frog \_\_\_\_\_

- 20) The physical change is generally reversible. The chemical change is irreversible. Classify the following changes as physical change or chemical change.
- Frying of egg
  - Burning of petrol
  - broken glass
  - formation of curd from milk
  - compression of spring
  - photosynthesis
  - digestion of food
- 21) Kumar had put some naphthalene balls in his wardrobe to keep the insects away. After a few days, he found that they had become very small. Give reason for the change. Name the phenomenon behind it.
- 22) Malarvizhi's father bought an apple. He cut it into slices and gave them to her. The slices turned brown after some time. Seeing the brown colour, she asked her father how it happened. What could be her father's explanation?
- 23) Correct the following statements:
- The longer line in the symbol for electric cell denotes the negative terminal.
  - When current is continuously passed through a bulb, it becomes cold.
  - A magnetic compass kept near a wire gets deflected.
  - Conductors do not allow electric current to pass through them.
  - Plastic from scrap can be removed with an electromagnet

**Part-D**

9 x 3 = 27

- 24) Observe the given table with a set of organs in column A. In each set, there is an odd organ. Pick the odd one out and write it in column B. In column C, write the system to which the remaining three belong.

S.No.	A	B	C
1.	saliva, bones, liver, pancreas	bones	digestive system
2.	skin, hair, nail, tooth		
3.	arteries, veins, fingers, capillaries		
4.	brain, spinal cord, nerves, kidneys		

- 25) Write any two functions of each of the following

- Kidney (1) \_\_\_\_\_ (2) \_\_\_\_\_
- Bone (1) \_\_\_\_\_ (2) \_\_\_\_\_
- Skin (1) \_\_\_\_\_ (2) \_\_\_\_\_
- Blood (1) \_\_\_\_\_ (2) \_\_\_\_\_

- 26) What happens when :-

- i) You eat fast food.
- \_\_\_\_\_

- ii) Your blood glucose level exceeds 120mg/dl.
- \_\_\_\_\_

- 27) Diet and lifestyle play a major role in preventing sickness and keeping us healthy. Write down any 3 things that you will do and any 3 you will not do to maintain good health.

S.No.	I will do	I will not do
1.	exercise daily	eat fast food
2.		
3.		
4.		

- 28) Ravi is obese and overweight. His glucose level is also high. His mother seeks the advice of a doctor. The doctor suggests a daily activity programme. What could be the suggested activities?
- 29) Photosynthesis takes place only during day time. Respiration takes place all the time.
- Write down the names of gases exchanged during these processes.
  - How does the exchange of gases take place in a leaf?
- 30) Anaerobic bacteria digest animal waste and produce biogas (change A). The biogas is then burnt as fuel (change B). The following statements pertain to these changes. Choose the correct one.
- 'A' is a chemical change.
  - 'B' is a chemical change.
  - Both 'A' and 'B' are chemical changes.
- 31) Burning of wood and cutting a log of wood into small pieces are two different types of changes. Give reason
- 32) You are given two cells - A and B. One is dead and the other works well. Suggest a way to identify which one is in working condition.

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