

TERM 2
Model question paper 1 T2
7th Standard

Science

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:00:00 Hrs

Total Marks : 35

Part-A

6 x 1 = 6

- 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

Part-B

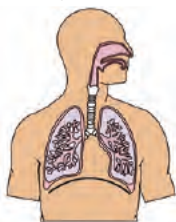
8 x 1 = 8

- 7) Acids have _____ (bitter / sour) taste.
- 8) Burning of a candle is an example of _____ (physical / chemical) change
- 9) Some commonly used natural indicators to identify acids and bases are _____ and _____.
- 10) A drawing of an electrical circuit with standard symbols is called a/an _____. (circuit diagram / electric diagram)
- 11) Electric toasters and electric irons get hot when switched on because of the _____ effect of current. (magnetic/heating)
- 12) A fuse is a _____ device. (safety / heating)
- 13) The filament in an electric bulb is made of _____. (tungsten / nichrome)
- 14) A pivoted magnetic needle will always point to the _____ direction. (east - west / north-south)

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.
 - a) Frying of egg
 - b) Burning of petrol
 - c) broken glass
 - d) formation of curd from milk
 - e) compression of spring
 - f) photosynthesis
 - g) 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:
- 1) The longer line in the symbol for electric cell denotes the negative terminal.
 - 2) When current is continuously passed through a bulb, it becomes cold.
 - 3) A magnetic compass kept near a wire gets deflected.
 - 4) Conductors do not allow electric current to pass through them.
 - 5) Plastic from scrap can be removed with an electromagnet

Part-D

3 x 2 = 6

- 24) Bee stings can be very painful. If a bee stings your friend, how would you help him?
- a) What substance will you apply on the bite area?
 - b) What chemical does that substance contain?
- 25) Answer the following:
- a) Tablets for prescribed indigestion contain a base. Why?
 - b) Explain why the rusting of iron objects is faster in coastal areas.
- 26) Give reasons for the following:
- 1) If we touch an electric bulb that has been kept switched on for sometime, it will be hot.
 - 2) For a fuse wire, we should choose a wire, which would melt easily.
 - 3) If we bring a magnetic compass near an electric circuit, the needle moves.
 - 4) Iron filings, which are attracted to an electromagnet, drop down when the electromagnet is switched off.

Part-E

2 x 3 = 6

- 27) 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		

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

- i) Kidney (1) _____ (2) _____
- ii) Bone (1) _____ (2) _____
- iii) Skin (1) _____ (2) _____
- iv) Blood (1) _____ (2) _____
