

TERM 1
Model question paper 1 T1
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 : 50

Part-A

6 x 1 = 6

- 1) Fibres obtained from an insect _____
(a) Wool (b) Silk
- 2) _____ is reared in a poultry farm.
(a) Buffalo (b) Hen
- 3) There is only one _____ bee in a bee hive.
(a) queen (b) drone
- 4) After incubation, the hen's egg hatch in _____ days.
(a) 21 (b) 31
- 5) A sheep has a coat of wool for _____
(a) man (b) itself
- 6) Absorption of water is a function of _____ system
(a) Shoot (b) root

Part-B

2 x 1 = 2

- 7) The force of attraction between the particles in gas is _____ (less / more) than that of a solid.
- 8) _____ (Solid / Liquid) state has definite volume, but no definite shape.

Part-C

5 x 1 = 5

- 9) The following jumbled words denote the stages in the life cycle of a silkworm. Could you write the correct sequence.

THOM, GEGS, VARAL, APPU

MOTH -> _____ -> _____ -> _____

- 10) From the given list of living things list out the autotrophs and heterotrophs.

grass, snake, neem tree, man, mushroom, amoeba, mango tree, cabbage, cow, sunflower

S.No.	AUTOTROPHS	HETEROTROPHS
1.		
2.		
3.		
4.		

- 11) Fill in the boxes with the given words to complete the equation for photosynthesis. water, starch, oxygen, sunlight, carbon dioxide, chlorophyll.



- 12) The jumbled words below are the various movements of a plant. Write the correct word.

SICTAN = NASTIC

- 13) The jumbled words below are the various movements of a plant. Write the correct word.

PSIMORTOEG = _____

Part-D

11 x 2 = 22

- 14) Place the following animals in their phylum.

tapeworm, sponges, hydra, Ascaris, scorpion, human, snail, starfish, earthworm.

Tapeworm - Platyhelminthes

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____
- h. _____

15) Some beneficial and harmful effects of bacteria are given below. Write (B) for Beneficial and (H) for Harmful.

a	Leprosy	Beneficial	Harmful
b	Ring rot of potato	Beneficial	Harmful
c	Recycling of waste	Beneficial	Harmful
d	Tuberculosis in man	Beneficial	Harmful
e	Tanning of leather	Beneficial	Harmful
f	Wilt of tomato	Beneficial	Harmful
g	Processing of tea	Beneficial	Harmful

16) Draw different shapes of bacteria.

17) Euglena possesses chloroplast. In the absence of sunlight it is heterotrophic. In which kingdom will you place it? Animal or plant?

18) Find out the names of the following in as many languages as you can with help of your teachers and parents.

1. Lion 2. Mango 3. Dog 4. Potato 5. Hibiscus 6. Groundnut



Sl. No	English Name	Tamil Name	Binomial Name
1	Lion	Singam	Panthera leo
2	Mango		
3	Dog		
4	Potato		
5	Hibiscus		
6	Groundnut		

19) Materials which are very familiar to Raveena are given below. Help her to classify them into solids, liquids and gas. bricks, kerosene, milk, coconut oil, air, book, table, oxygen, carbon dioxide.

20) Give reason for the following observation.

- a) We can smell the jasmine flower while we are sitting several metres away.
- b) The level of water remains the same when a pinch of salt is dissolved in it.

21) Gas can be compressed into a smaller volume but a solid cannot be. Could you explain. Why?

22) Mohan went to a shop to buy milk. He took his bicycle to go to the shop. He saw that the air in the cycle tube was a very little. He took it to the cycle shop. The cycle mechanic used a compressor pump to inflate the cycle tube. Mohan had a doubt. "How does the compressor works?". Help Mohan to find the answer.

23) On varying the temperature, you can notice the process that matter will change from one state to another. Name the process A, B, C and D.



24) Solids are incompressible. Sponge is also a solid. We are able to compress it. Could you explain. Why?

Part-E

5 x 3 = 15

25) On the way home you notice a goat with a broken leg. You feel sad and want to help it. Write down the things you would do

- a) _____
- b) _____
- c) _____

26) Complete the chart given below by observing the following animals in your surrounding.

crow, cow, lizard, donkey, goat, horse, housefly, ant, monkey, butterfly, mosquito, dog, cat.

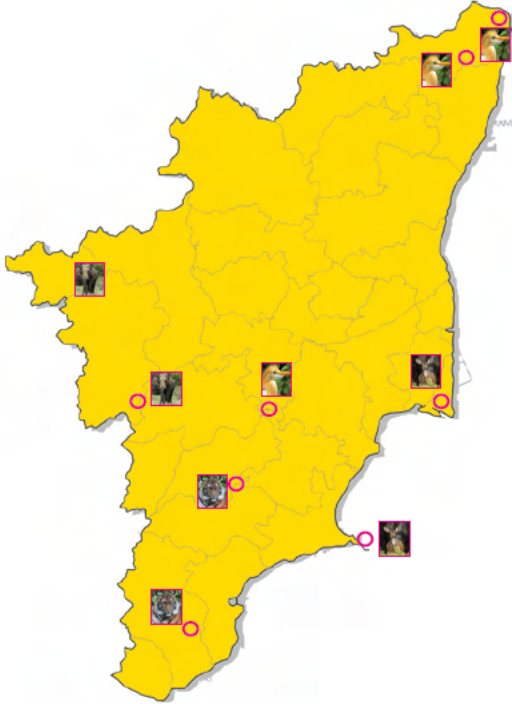
Sl.No	Animal	Sound it makes	Food it eats	Where it lives	Relationship with man
1.	dog	wow,wow	rice,meat	kennel	friend,guard
2.					
3.					
4.					
5.					

27) In the given map of Tamilnadu some famous wildlife sanctuaries are marked.

(a) Name the places.

(b) Find out the animals/birds which are found there.

(c) Mark your place of residence and find the name of the sanctuary near your home.



28) Given below is a list of food items with their constituents. In the table given below write the names of the food that you took yesterday and tick the constituents in it.

Idli	Carbohydrates, proteins
Dosai	Carbohydrates, proteins
Sambar	Protein, vitamin, minerals, fat
Rice	Carbohydrates
Egg	Protein, fat
Channa sundal	Protein
Vegetable poriyal	Vitamins, minerals
Vadaï, milk	Fat, protein
Fish	Protein
Millet (Kambu/Cholam)	Carbohydrates
Greens	Vitamins, minerals

Could you find out the nutrient missing in your diet.

	Food you took	Carbohydrate	Protein	Fat	Vitamin	Mineral
Breakfast						
Lunch						
Snacks						
Dinner						

29) Observe the teeth of your family members. Count the teeth and record below.

S.No	Family member	Jaws	Incisors	Canines	Premolars	Molars
1.	Father	U				
		L				
2.	Mother	U				
		L				
3.	Self	U				
		L				
4.	Brother	U				
		L				
5.	Sister	U				
		L				
6.		U				
		L				

Dental formula of human being = $2 \frac{2}{2}; C \frac{1}{1}; PM \frac{2}{2}; M \frac{3}{3} \times 2 = 32$

