

TERM 3  
Model question paper 3 T3  
7th Standard

Science

Reg.No. : 

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:40:00 Hrs

Total Marks : 75

Part-A

16 x 1 = 16

- 1) Forest is an area with high density of \_\_\_\_\_.  
(a) trees (b) grass
- 2) \_\_\_\_\_ is an example of a natural ecosystem.  
(a) Paddy field (b) Desert
- 3) The third trophic level in a food chain comprises of \_\_\_\_\_.  
(a) herbivore (b) carnivore
- 4) A network of interlinked food chain is called a \_\_\_\_\_.  
(a) food web (b) food cycle
- 5) The festival of "Vanamahotsav" is celebrated in the month of \_\_\_\_\_.  
(a) June (b) July
- 6) Water exists in abundance on the planet \_\_\_\_\_.  
(a) Earth (b) Mars
- 7) \_\_\_\_\_ are a huge store of water.  
(a) Oceans (b) Ponds
- 8) \_\_\_\_\_ is the gaseous form of water.  
(a) Rain (b) Water vapour
- 9) Desalination is an artificial process by which \_\_\_\_\_ is converted to fresh water.  
(a) sea water (b) river water
- 10) During combustion, light is evolved along with \_\_\_\_\_.  
(a) heat (b) flame (c) air (d) none of these
- 11) Substances that catch fire easily are \_\_\_\_\_.  
(a) inflammable (b) non-combustible (c) heavy (d) light
- 12) L.P.G is a mixture of \_\_\_\_\_.  
(a) methane and propane (b) propane and butane (c) butane and methane (d) none of these
- 13) Rusting of iron is an example of \_\_\_\_\_ combustion.  
(a) slow (b) rapid (c) spontaneous (d) incomplete
- 14) \_\_\_\_\_ is a good supporter of combustion.  
(a) oxygen (b) carbon dioxide (c) nitrogen (d) hydrogen
- 15) Petrol is a \_\_\_\_\_.  
(a) solid fuel (b) highly inflammable substance (c) non combustible substance (d) less inflammable substance
- 16) 100 degree on the celsius scale is equal to 180 degree on the fahrenheit scale. Then 1 degree celsius is equal to \_\_\_\_\_.  
(a)  $(F-32) \times 100/180$  (b)  $(F-32) \times 180/100$  (c)  $(F+32) \times 100/180$  (d)  $(F+32) \times 180/100$

Part-B

8 x 1 = 8

- 17) The lowest temperature at which fuel catches fire is called \_\_\_\_\_.
- 18) \_\_\_\_\_ is used to extinguish oil fire.
- 19) The amount of heat energy liberated by completely burning 1 kg of fuel is called \_\_\_\_\_.
- 20) \_\_\_\_\_ is a measure of the heat energy possessed by a body.
- 21) The tyre of a moving vehicle becomes hot due to \_\_\_\_\_.
- 22) On a thermometric scale, the boiling point of water is taken as the \_\_\_\_\_.
- 23) In a cinema, the image on the screen is a \_\_\_\_\_.
- 24) Bouncing back of light from a surface is called \_\_\_\_\_.

Part-C

6 x 1 = 6

- 25) Rearrange the following words to form a food chain.  
(a) snake, mouse, paddy, eagle, grasshopper  
\_\_\_\_ → \_\_\_\_ → \_\_\_\_ → \_\_\_\_ → \_\_\_\_  
(b) man, big fish, phytoplankton, small fish, insects  
\_\_\_\_ → \_\_\_\_ → \_\_\_\_ → \_\_\_\_ → \_\_\_\_

26) Given below are some sources of water. Arrange the jumbled words in the right order and fill in the blanks.

INAR RAIN OWNS \_\_\_\_\_ RRVIE \_\_\_\_\_ ASE \_\_\_\_\_ AKEL \_\_\_\_\_ NOPD \_\_\_\_\_

27) Write True for the correct statement and False for the wrong statement.

Also correct the wrong statement(s)

In a rapid combustion, substances catch fire without application of heat.

28) Write True for the correct statement and False for the wrong statement.

Also correct the wrong statement(s)

All types of fire can be extinguished by water.

29) Write True for the correct statement and False for the wrong statement.

Also correct the wrong statement(s)

Non-luminous zone is the hottest part of a flame.

30) Write True for the correct statement and False for the wrong statement.

Also correct the wrong statement(s)

A good fuel should have a low calorific value.

Part-D

15 x 3 = 45

31) 

Third Trophic level Carnivore Snake	Herbivore Second Trophic level Mouse	Plants Producers First Trophic level
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a) Suggest the common idea derived from these boxes.

b) Analyse the data given above and make a food chain.

32) Differentiate between the following:-

a) Consumers and decomposers.

b) Food chain and food web.

33) Discuss the effects of deforestation on the following:

a) Wild animals

b) Environment

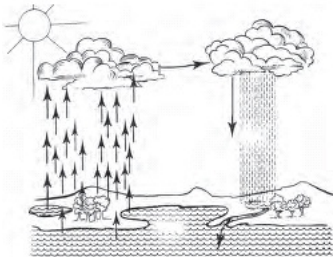
34) Match the following types of forests with their unique characteristic features.

Rain forest, Savannah, Desert, Grassland, Taiga, Tundra.

S.No.	Characteristic feature	Types of Forest
1.	Frequent forest fire	
2.	Windy weather	
3.	Snow and ice	
4.	Hot days and cold nights	
5.	Ice covered frozen soil	
6.	Plentiful rainfall	

35) The diagram of a water cycle is given. Use the following words in the right place;

sea, cloud, evaporation, rain



36) Why is supply of water essential to humans?

37) a) Why has urbanisation occurred? List the ways in which urbanisation

i) benefits human

ii) harmful to wild life.

b) Suggest one way in which the effects of urbanisation can be reduced.

38) Advise class leaders on water conservation in your school. You can give them the following instructions;

a) Close the water tap after use.

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

g) \_\_\_\_\_

h) \_\_\_\_\_

39) All of us use water every day. Fill in the table according to your observation:-

S.No.		IN SCHOOL	AT HOME
1.	Source of water		
2.	Number of taps		
3.	Taps that leak		
4.	Water wasted by leakage every day in litres		

40) Visit the following places to observe rain water harvesting and state why rainwater harvesting is essential in these places.

- i) Temple
- ii) School building
- iii) Government office
- iv) House

41) The State Government of Tamil Nadu has taken up a venture to convert sea water into potable water. Name the two desalination plants setup in connection with this idea

- a) \_\_\_\_\_
- b) \_\_\_\_\_

42) Sharmila has the following substances. Help her to classify them into combustible and non-combustible.

dry leaves, petrol, rubber tube, chalk, paper

43) Oil fire should be controlled by using foamite. Water should not be used to control oil fire. Could you explain why this is so?

44) Give reasons.

Water is not used to control fire involving electrical equipments.

45) Give reasons.

Gaseous fuels are considered superior to solid fuels.

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