

demo full chap
Model question paper 2 T2
6th 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 : 87

Part-A

19 x 1 = 19

- 1) The spherical organelle which controls the activities of the cell is
(a) golgi bodies (b) ribosome (c) nucleus (d) lysosome
- 2) The organelle that involves in destroying the germs which enters the cell is
(a) dictyosome (b) ribosome (c) centrosome (d) lysosome
- 3) The organelle which is found only in the animal cell is
(a) mitochondria (b) centrosome (c) plasma membrane (d) chloroplast
- 4) The cell of a /an contains a large vacuole
(a) onion peel (b) bacteria (c) nerve (d) muscle
- 5) The longest cell is the
(a) bone cell (b) nerve cell (c) cell of a muscle (d) blood cell
- 6) A suitable method to separate lighter impurities from a mixture is
(a) winnowing (b) hand picking (c) evaporation (d) magnetic separation
- 7) In a mixture, solids of different sizes can be separated by
(a) magnetic separation (b) winnowing (c) sieving (d) evaporation
- 8) The method used to separate seeds from fruit juice is
(a) filtration (b) sieving (c) crystallization (d) winnowing
- 9) Separation of common salt from the sea water is done by
(a) sieving (b) evaporation (c) magnetic separation (d) winnowing
- 10) The method used to separate substances that differ in colour, size and shape from a solid mixture is
(a) magnetic separation (b) decantation (c) hand picking (d) sieving
- 11) Energy required to dry clothes quickly is _____.
(a) solar energy (b) sound energy (c) kinetic energy (d) potential energy
- 12) "Heat is a form of energy". This was discovered by _____.
(a) Volta (b) James Joule (c) Thomas Alva Edison (d) Galileo
- 13) Which of the following requires electrical energy?
(a) windmill (b) industry (c) bicycle (d) parachute
- 14) The _____ energy cannot be used to run vehicles.
(a) solar (b) chemical (c) electrical (d) sound
- 15) When charcoal is burnt, chemical energy is converted into _____ energy.
(a) heat (b) sound (c) mechanical (d) solar
- 16) Energy obtained by wind energy in wind farms
(a) Chemical energy (b) Electrical energy
- 17) Energy possessed by a rustling leaf
(a) Kinetic energy (b) Chemical energy
- 18) Energy possessed by a person landing from a parachute
(a) Kinetic energy of wind (b) Chemical energy in food
- 19) Energy produced by rubbing the two palms of your hands
(a) Heat energy (b) Electrical energy

Part-B

14 x 1 = 14

- 20) nucleus, nucleolus, chromatin reticulum, plasma membrane
- 21) Robert Hooke, Anton Van Leeuwenhoek, Schleiden and Schwann, Newton
- 22) lysosome, centrosome, ribosome, chromosome
- 23) cell wall, chloroplast, large vacuole, centrosome
- 24) hand picking, evaporation, winnowing, sieving
- 25) filtration, sedimentation, decantation, condensation
- 26) evaporation, magnetic separation, condensation, crystallization
- 27) filter paper, sieve, funnel, glass rod
- 28) We can segregate different kinds of vegetables by winnowing.

- 29) Lighter particles present in a mixture can be separated by magnetic separation
- 30) The method of converting liquid into vapour by heating is known as condensation
- 31) Sieving method is used to remove a magnetic substance from a mixture
- 32) What type of energy do the following possess?
1. sun
 2. charcoal
 3. water in a lake
 4. solar cell
 5. waterfalls
 6. compressed spring
 7. fuel
 8. moving cloud
 9. firewood

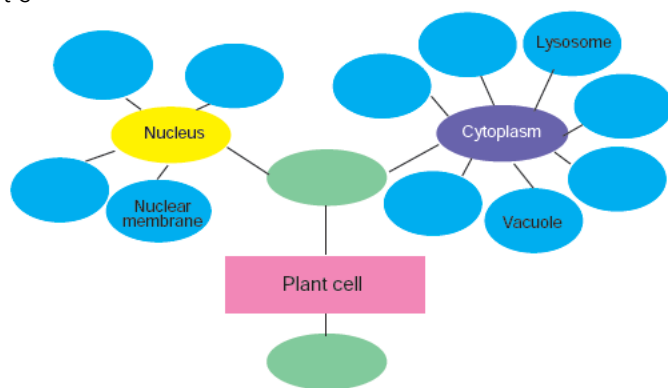
33) Find out the energy conversion that takes place in the following:

1. Torchlight _____ → _____
2. Radio _____ → _____
3. Iron (box) _____ → _____
4. Generator _____ → _____

Part-C

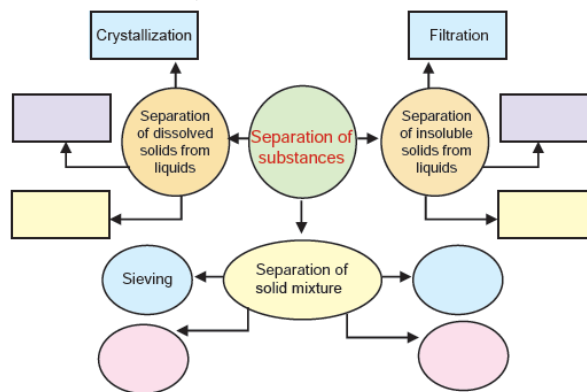
34)

18 x 3 = 54



- 35) Amudha's family gets water from the nearby pond which is turbid in nature. Suggest certain methods to purify and convert this water into safe drinking water
- 36) We do not apply the same method of separation to separate a mixture of chalk powder and water, a mixture of green peas and groundnuts, and iron objects from garbage. Why?
- 37) Why is separation of substances necessary in our daily life?
- 38) You are given a sample of salt solution. You are asked to separate the salt from it. Filtration method cannot be applied here. Why? Mention the correct method of separation
- 39) Differentiate the following
- a. filtrate and residue
 - b. winnowing and sieving
- 40) While preparing lemonade, how will you remove the seeds of the fruit from the juice? We add ice cubes to get chilled juice. When will you add sugar to the juice, before or after adding ice cubes? Why? When can you dissolve more amount of sugar?
- 41) A mixture contains saw dust and some iron nails. Which method will the carpenter use to collect the iron nails from the saw dust
- 42) During winter season, we see dew drops on grass and plants. Can you give reason for this?
- 43) Can we separate tiny white stones from 100kg of rice by the method of hand picking? Give reason for your answer
- 44)

Fill in the empty boxes and bubbles with suitable answers



45) Find the terms that denote different methods of separation hidden in this word puzzle:

P	W	X	N	C	B	A	T	I	M	C	F	I	L	T	I	Q	F	O
Q	R	A	C	O	N	D	O	L	I	N	I	A	I	E	X	Y	I	E
L	T	C	R	N	Y	S	N	I	X	Y	L	O	Q	U	I	D	L	V
T	O	L	Z	D	E	C	A	N	T	A	T	I	O	N	A	C	T	A
S	J	S	I	E	V	S	O	L	U	T	H	Y	X	O	U	V	E	P
M	I	X	E	N	W	A	T	E	R	V	A	P	O	U	R	T	R	O
T	L	R	E	S	I	D	U	E	E	X	T	L	M	O	S	Q	P	R
I	S	E	V	A	P	T	I	O	S	I	E	V	I	N	G	O	A	A
C	R	Y	S	T	A	L	L	I	S	A	T	I	O	N	N	G	P	T
L	I	Q	U	I	D	V	A	P	T	N	I	O	I	A	Q	R	E	I
I	L	T	S	O	L	U	T	I	O	N	L	E	O	T	X	Y	R	O
Q	M	A	G	N	E	T	I	C	S	E	P	A	R	A	T	I	O	N

46) Observe the pictures given and arrange them in proper order based on the activities they indicate. Encircle the methods of separation found in them



Sowing Ploughing Winnowing Hand picking



Cooking Thrashing Eating Harvesting

47) We know that we need energy to ride a bicycle, to play cricket or to do any kind of work. How do we define the energy used in these activities and what is the unit of measurement?

48) The coconut in the picture possesses three types of energy. Can you find out what they are?



1. _____
2. _____
3. _____

49) What type of energy is stored in each of the objects shown in the pictures given below? In which way is this energy useful to us?



Diesel can Gas cylinder Plant

1. _____
2. _____
3. _____

50) We know that the water stored in Mettur dam and Bhavanisagar dam is used to generate electricity. List the conversion of energy that occurs in the hydroelectric power stations.

51) Observe the pictures given below and write down the energy possessed by the stone at each level.

a stone is thrown upwards...

....when the stone falls down

