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# VEDANT PUBLIC SCHOOL

ISANPUR, AHMEDABAD - 382443.

DATE : તારીખ :	SUBJECT : વિષય :	Roll No. : રોલ નંબર :
STD. : ધોરણ :	Suppl. No. : પૂરવણી :	Supervisor's Sign./ નિરીક્ષકની સહી

Std - 4

Academic year - [2018-19]

Ch - 1 To 9

SA-9, Revision

SA<sub>2</sub> Exam

Annual Revision.

Paper style

Q-1	mcq	30
Q-2a	write Answer in Brief (Any 5)	12
b	write Answer in short (Any 5)	5
Q-3a	write Difference between (Any 2)	6
b	write short note (Any 1)	3
Q-4	write Experiment	4

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Q-1

mcq

1) We must not use \_\_\_\_\_ bags  
A Plastic

2) which of these diseases is caused by air pollution?  
A Asthama

3) I am chemical for destroy harmful insects  
A Pesticides

4) Noise pollution is the problem especially in vill.  
A Cities

5) Addition of chemicals into soil is called which pollution?  
A Soil pollution.

6) An axe is the example of a  
A wedge

7) A \_\_\_\_\_ ~~level~~ is a long rod which rests upon a support and is used to lift weight  
A Level

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8) Anything that occupies space and has some weight is called

a) matter

9) Which of these states of matter is the most closely packed.

a) Solid

10) Which of the following is a solvent

a) water

11) Change of state from solid to liquid is called

a) melting

12) A rubber strip can produce which type of force

a) Elastic

13) Which planet is farthest from the sun.

a) Neptune

14) I am land of coconut and famous for boat races.

a) Kerala.

15) Which soil is famous for growing crop

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Such as cotton, jowar and Ragi

a) Black soil

16) The blowing and carrying away of soil by natural forces is called

a) soil erosion.

17) What is the surface of the earth made up of?

a) Rocks

18) The rate of evaporation increases when the weather is

a) hot

19) The part of the earth that is closer to the sun has

a) warmer days

20) Which of the following is a synthetic fibre

a) polyester

21) In hot season, we prefer to wear clothes.

a) cotton

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22) We should not touch \_\_\_\_\_ with wet hands.

a) Electric switches.

23) Which of these clothes catch fire too easily.

a) synthetic clothes.

24) Which of the following diseases is caused by bacteria.

a) Typhoid.

25) Bacteria called lactobacillus convert milk into.

a) curd.

26) Ringworm caused by

a) fungi.

27) To do work we need.

a) Energy.

28) When we throw a ball into air it falls back. the force responsible for this is

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a) Gravitational force.

29) which of the following is not a source of energy.

a) water

30) satellite have made me easy world wide

a) communication.

31) who found the orbits of mars and Jupiter.

a) Asteroids.

32) First Indian Satellite launched in 1975.

a) Arya bhatta.

33) Tiny particles that make up substance are known as

a) molecules.

34) The liquid obtained when we dissolve a solute into a solvent.

a) solution.

35) which energy is obtained by burning coal, wood, petrol or gas.

a) Heat energy.

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36) An Inclined plane wrapped around a pole

a) screw

37) Additional Harmful substances into the environment due to human activities is called

a) pollution.

38) The way of life in a society is known as

a) culture

39) The process of settling down of impurities at bottom is known as

a) sedimentation.

40) Dead or Decaying mass of living organisms is known as

a) Humus

41) what is everything which surrounds us

a) Environment

42) Smoke produced by vehicles cause which pollution.

a) Air

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43) when we get a solution?

a Solid dissolves into solvent

44) matter made up of tiny particles are called as?

a Atoms.

45) what is shown in the north sky?

a pole star.

46) mercury is closest to which planet

a Sun.

47) I am the largest planet of solar system

a Jupiter.

48) Soil erosion removes what?

A Fertile top soil.

49) I am the mixture of sand and clay

a Loamy soil

50) we use filter paper in which process.

a filtration.

51) changing of water into water vapour is called

a Evaporation.



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52) I am natural fibre.  
a cotton.

53) clothes should be kept where?  
a Almirah.

54) we should cross road on  
a zebra crossing.

55) we should throw ~~dust~~ ~~where~~ vegetable  
peels in  
a Dustbin.

56) we can see microorganisms only through  
a  
a microscope.

57) The process of settling down of  
Impurities at bottom is.  
a) sedimentation.

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58) Galaxy is a massive collection of stars and

a) Gases.

59) Tiny particles that make up a substance are.

a) molecules.

60) An Act of pushing and pulling object is known as

a) Force.

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Q-2a write very short answers.

(Any 6).

1) How many types of microbes are there?

A There are four types of microbes.

2) Why we cannot see microbes with our naked eyes?

A We cannot see microbes because it is too tiny.

3) What do you mean by germs?

A The micro organisms that cause disease are called germs.

4) Where do we get penicillin from?

A We get penicillin from fungus called penicillium.

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5) Why do accidents occur?

A Accidents generally occur due to our carelessness or when we are in hurry.

6) Why should we keep the floors clean and dry?

A We should keep the floors clean and dry because we can trip on the wet floor.

7) Name the traditional dress of Kerala?  
A mundu and neriyaathu.

8) Where do we get cotton from?

A We get cotton from plants.

a) What is humidity?

A The amount of water vapour contained in the air is called humidity.

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Seat No. :  
બેઠક નંબર :

EXAM :  
પરીક્ષા

DATE :  
તારીખ :

STD. / CLASS :  
ધોરણ / વર્ગ :

SUBJECT :  
વિષય :

MAIN મુખ્ય પુસ્તકો 1 + Supplements પુસ્તક પુસ્તકો \_\_\_\_\_ = TOTAL કુલ \_\_\_\_\_

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Examiner's Sign.  
પરીક્ષકની સહી

Ques. No.	Total Marks	Marks Obtain
1		
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TOTAL		

Write From Here / અહીંથી લખવું.

10) What are Rocks made up of ?

A Rocks are made up of minerals.

11) How do rocks break into small pieces?

A Wind, water and heat break rocks into small pieces.

12) What is the pole star ?

A The pole star is a bright star in the north sky which does not change its position.

13) What is a constellation?

A A constellation is a group of stars that form an interesting shape.

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14) Which soil is the most suitable for growing cotton, tobacco, Jowar and ragi?

A Black soil is the most suitable for growing cotton, Jowar and ragi.

15) What do you mean by a galaxy?

A Galaxy is a massive collection of stars, gases and dust particles.

Q-26) Answer in Brief (Any 5)

(15)

1) What is pollution? Name the different types of pollution?

A Addition of harmful substances into the environment due to human activities is called pollution. Air pollution, water pollution, Soil pollution and noise pollution are different types of pollution.

2) Write various causes of water pollution?

Aa Industries are a major source of water pollution, Toxic household and Industrial wastes released into water bodies pollute them.

b) Pollution of water is also caused by washing clothes or bathing animals in pond, river, etc.

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3) What is a simple machine? Name any three?

A The tools that we use to make our work easier are called simple machines. Lever, wheel and axle and pulley are three the example of simple machines.

4) Write down the various effects of force?

A Force can

- move a stationary object.
- stop a moving object.
- change the direction of a moving object
- change the ~~speed~~ speed of a moving object.
- change the shape of an object.

5) What is soil? How it is formed?

A Soil is the top most soft layer of the earth's surface. Rocks provides basic material for the formation of soil. Wind, water and heat continuously breaks the rocks, This results in breaking up of rocks into smaller and smaller pieces. These pieces are carried away by wind and water. When they rub against each other they further breakup into smaller particles like pebbles, gravel and sand. These particles get mixed with humus and form soil.

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6) What is an artificial satellite? Write three uses of artificial satellites?

A The satellite made by man is called an artificial satellite.

Three uses of satellite are

- a) Artificial satellites are used to study the heavenly bodies.
- b) They are used for weather forecasting and communication.
- c) They are also used for scientific experiments.

7) What is energy? Explain different forms of energy also explain solar energy?

A Energy is ability to do work. Different forms of energy are wind energy, water energy, heat energy and electrical energy. The energy that we get from the sun is called solar energy. These days, we use solar energy is used in heaters and solar cookers for heating and cooking plants use solar energy to make food in the green leaves.

8) What is condensation? How raindrops are formed?

A The changing of water vapour into water is called condensation. The water of the lake, the sea gets evaporated



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by the sun. The air along with the water vapour gets warm and rises up. As it goes higher up in the sky it cools down. The water vapour condenses into tiny drops of water. These tiny droplets join to form clouds. In the clouds more and more water droplets join together to make water drops. When the water drops become heavier, they fall down as rain.

9) How can you protect yourself against harmful microbes?

A By following the given instructions we can protect ourselves from harmful microbes.

a) we must eat clean food and drink clean water.

b) we must keep our body and surroundings clean and germ-free.

c) we must trim our nails regularly and keep them clean.

10) What is <sup>first aid</sup> first aid and write ~~tips for~~ tips for cuts and wounds.

A An ~~injury~~ immediate help or treatment given to an injured person is called first aid.

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### First aid tips for cuts and wounds.

- a) make him/her lie down with his/her head lower than rest of the body, to increase the supply of blood to the brain.
- b) Never get panic call an elder or a doctor
- c) Do not surround the victim.
- d) make the victim comfortable.

Q-2a) Write Difference between

1) Bacteria and Viruses.

Bacteria	Viruses
1) Bacteria are most abundant living things	Viruses are smaller than bacteria.
2) Bacteria are spiral, round or rod-like in a shape	Viruses are of different in shape.
3) Bacteria cause disease like tuberculosis, diphtheria.	Viruses cause disease like polio, measles, Smallpox.

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## 2) Luminous and Non-Luminous Bodies

Luminous	Non-Luminous
1) The object which has its own bodies and light is Luminous bodies.	The object which has do not have their own light is non-Luminous bodies.
2) Eg - candle, torch bulb	Eg - moon, earth, piece of cloth

## 3) Laterite soil and Red soil

Laterite soil	<del>Red</del> Red soil
1) It is formed by leaching process in heavy rainfall of tropical India.	<del>Re</del> It is formed due to weathering of igneous and metamorphic rocks.
2) It is less fertile	2) It is highly porous but it is deep fertile.
3) It is red in colour and found in Orissa, Assam and clay is presence in the soil.	3) It is red due to presence of iron in it and found in Karnataka and Jharkhand

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#### 4) Evaporation and Boiling

Evaporation	Boiling
1) It is a process of conversion of a liquid into gas vapours at any temperature below boiling point	Boiling is the process by which liquid turns into a vapour when it is heated to its boiling point.
2) Bubbles are not formed	2) Bubbles are formed
3) It occurs at all / any temperature	It occurs at a definite / fixed temperature

#### ~~5) Rocks and minerals~~

#### 5) Liquid and Gas

Liquid	Gas
1) Liquid is a substance that flows freely	Gas refers to a state of matter
2) It has not fix shape and definite volume	2) It has neither definite shape nor volume.
3) It flows from higher to lower level	It flows in all directions.

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Q.36) Short note on kinds of force (ANY 1)

An act of pushing or pulling an object is known as force. There are six different kinds of force.

- Muscular force : - we use our muscles to do our work is muscular force eg - Throw Ball.
- Friction : - when we kick a ball, it moves on the ground for some distance and then stops due to the force applied on ground it is called friction eg slows down and stop of moving body.
- Magnetic force : - when a magnet near iron nails, the magnet pulls the iron nails the force applied by magnet is called magnetic force.
- Elastic Force : - when we stretch the rubber strip of a catapult it applies a force on the stone is elastic force.

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e) mechanical force :- Sometimes, we need tools or machines to do our work is called mechanical force eg Scissors to cut a paper.

f) Gravitational force :- The ball falls on the ground when we throw it up is called gravitational force.

## 2) Types of energy

The ability to do work is energy.

Forms of energy are

a) wind energy :- The moving air has energy which is called wind energy which rotates windmill and use for generating electricity.

b) water energy :- The flowing water has energy in it. Electricity produced by the energy of flowing water is called hydroelectricity.

c) Heat energy :- It is obtained by burning coal, wood, petrol or gas. eg - burning petrol in car engine.

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- d) Electrical energy :- The energy obtained from electricity is called electrical energy. eg - electric bulbs.
- e) Atomic energy :- An atom is the smallest particle of matter. It is used to make weapons like atom bombs.
- f) Solar energy :- The sun is the main force of energy on the earth. It is used in solar heaters and solar cookers.

Q-5 Write experiment on state of matter and Draw diagram.

Things Needed :- Three bowls to show solid, liquid, Gas.

methods :- As we know when we heat a solid it changes into liquid and liquid changes into a gas with evaporation. when we heat liquid, we see bubbles on the surface of the liquid this is called boiling. when hot vapour touches the cold lid it changes back into water. this process is called condensation.

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moral : - Finally we can say that only water liquid form turns into solid when it freezes and when it is heated it get evaporated and turns into gas.

Diagram.

