

Charotar English Medium School

Answer key -----Annual Exam (2018-19)

Sub: Science

Std: 5th

Date:- 09/ 04/2019

Marks :-80

Time - 3Hrs

Q. 1 Multiple choice questions :

(10)

- 1) Plants
- 2) Carbon di oxide
- 3) Sun
- 4) One sixth
- 5) Luminous
- 6) At noon
- 7) Expands
- 8) Wedge
- 9) Oxygen
- 10) Both of these (direction of a moving object and shape of an object)
- 11) WBCs
- 12) Second
- 13) Rotation
- 14) Gibbous moon
- 15) 300
- 16) U.V
- 17) Light
- 18) Land
- 19) Inclined plane
- 20) Ventricles

Q.2 Fill in the blanks using the help box .

(10)

- 1) Air
- 2) Minerals
- 3) Moon
- 4) Artificial satellite
- 5) Opaque
- 6) First
- 7) Gravitational force
- 8) Hard
- 9) Chlorine
- 10) Arteries
- 11) Oxygen

- 12) Iron
- 13) proteins
- 14) Buoyant
- 15) Opposite
- 16) Paraffin wax
- 17) Waning
- 18) Coal
- 19) Clot
- 20) Pollutants

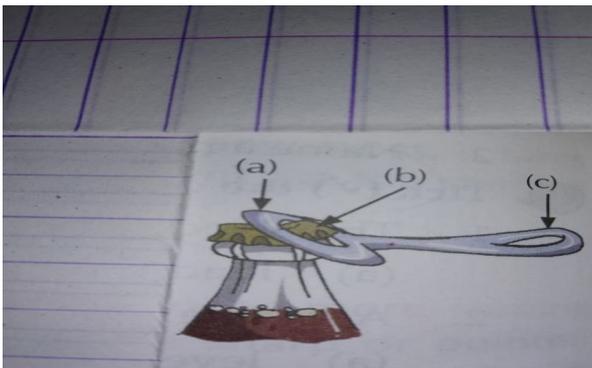
Q.3 (A) Match the following .

(5)

- | | |
|-----------------------|--------------------------|
| 1) Transparent | a) Clean water |
| 2) Opaque | b) Book |
| 3) Translucent | c) Butter paper |
| 4) WBC's | d) Kill the germs |
| 5) Filtration | e) Residue |
| 6) Mangalyaan | f) Mars orbite mission |
| 7) Sewing machine | g) Wheel and axle |
| 8) Global warming | h) Carbon di oxide |
| 9) Body building food | i) Proteins |
| 10) Protective food | j) Vitamins and minerals |

(B) Look at the given picture and answer the following questions :

(5)



- a) Name this simple machine.-----Bottle cap opener
- b) Label the parts a,b and c .-----a) Fulcrum b) Load c) Effort
- c) To which class of lever does this simple machine belongs ?-----2nd class lever

Q 4. Write True and False for the following ; (10)

- 1) Oxygen is a green house gas. -----False
- 2) Moon takes 27.3 days to complete one revolution.-----True
- 3) When moon is not visible to us it is called full moon day.-----False
- 4) Light always travels in a straight line .-----True
- 5) Things float on water due to the mechanical force.-----False
- 6) Solar heater uses solar energy.-----True
- 7) In second class lever fulcrum is in between the load and effort.-----False
- 8) See saw is a 2nd class lever.----- False
- 9) Only 3 percentage of total water on this earth is used for drinking.----- True
- 10) Arteries have thin and less elastic walls.-----False
- 11) The blood vessels that connect arteries to veins are called capillaries.-----True
- 12) Making chapatti is a chemical change.-----True
- 13) The flowing water of river generates hydroelectricity.-----True
- 14) All those impurities that can dissolve in water are soluble impurities-----True
- 15) Moon is the natural satellite of the Earth.-----True
- 16) When air is warm, it contracts.-----False
- 17) Pencils and books are luminous objects.-----False
- 18) Fallen leaves of trees are biodegradable waste.-----True
- 19) A simple machine that turns around a fixed point is called a pulley.-----False
- 20) Nitrogen is the major component of air.-----True

Q.5 .A. Write meaning of the following words. (10)

- 1) Pollution
- 2) Environment
- 3) Craters
- 4) Waxing
- 5) Opaque
- 6) Energy
- 7) Simple machine
- 8) Loading
- 9) Shadow
- 10) Fulcrum

Pollution----The harmful changes made in the environment due to various human activities.

Environment---- Living and non living things around us.

Craters----- Saucer shaped holes on the moon`s surface.

Waxing-----The increasing size of the lighted part of the moon.

Opaque-----Objects that do not allow light to pass through them.

Energy----Ability to do work.

Simple machine-----A device which makes our work easier and faster.

Loading----Adding chemicals like alum ina mixture to increase the rate of sedimentation.

Shadow----Formed when an object blocks the path of light.

Fulcrum---The fixed point on which a lever turns.

(B) Very short answer questions: (10)

- 1) Name the spaceship that took three astronauts to the moon.-----Apollo XI
- 2) Name the portion of a shadow formed due to complete blockage of sunlight.----Umbra
- 3) Name a pulley that has a free axle.-----Movable pulley
- 4) What type of energy is present in water stored in a water tank?-----potential energy
- 5) What is the percentage of oxygen in the air?-----21 percentage
- 6) Name the force that helps us to walk.-----Frictional force
- 7) Which cells help in blood clotting?-----Platelets
- 8) Name 2 green house gases.-----Ozone, Methane
- 9) Name any 2 renewable resources.-----Sun,Air
- 10) Name the first Indian artificial satellite.-----Aryabhata

Q.6 (A) Short answer questions. Answer any four: (2+2+2+2) = (8)

1) What is meant by eclipse?

----Eclipse means shadow of the earth or the moon, when the earth, moon and Sun are in a straight line.

2) Why do we oil the machine?

-----Friction produces heat that damages the machine. That is why we use oil to reduce the force of friction.

3) Name 5 layers of the atmosphere.

----- 1) Troposphere 2) Stratosphere 3) Mesosphere 4) Thermosphere 5) Exosphere

4) Why should we drink pure water?

-----Impure water is harmful to us and leads to many diseases such as dysentery, cholera and jaundice. So we should drink pure water.

5) What is chlorination?

-----Addition of chlorine tablets in water to kill germs and to make water pure is called chlorination.

(B) Long answer questions. Answer any three: (4+4+4) = (12)

1) What is the importance of air in our life?

-----Importance of air:

- 1) Air is needed for breathing.
- 2) Air is needed for burning.
- 3) Moving air helps in the movement of gliders, kites, parachutes and sail boats.

- 4) Air is used to inflate footballs and tubes of tyres.
- 5) Air is used to generate electricity.
- 6) Moving air helps in the formation of various weather phenomenons.

2) What is the necessary condition for the formation of shadow?

-----Necessary conditions for the formation of a shadow are

- 1) There should be a source of light.
- 2) There should be an opaque object to stop the path of light.
- 3) There should be a screen to get the shadow of the opaque object.

3) Name the different types of energy.

-----1) Heat energy 2) Light energy 3) Kinetic energy 4) Potential energy 5) Mechanical energy
6) Wind energy 7) Solar energy 8) Hydro energy 9) Sound energy 10) Geothermal energy

4) Draw and label the process of filtration.

