

REVISION OF SA-2 [2017-18]

STD:- IV SUB:- SCIENCE.

PART-A

Q1) Tick the correct option:-

1) How much part of the earth is covered by water?

- (a) Three-fourth (b) One-fourth
(c) Two-fourth (d) None of them.

2) How many planets are there in our Solar System?

- (a) Eight (b) Ten (c) Seven (d) Nine

3) Which planet is the closest planet of sun?

- (a) Mercury (b) Venus (c) Mars (d) Neptune.

4) Which planet is also called the Red planet?

- (a) Mars (b) Venus (c) Jupiter (d) Mercury.

5) Which is the largest planet of Solar System?

- (a) Jupiter (b) Mars (c) Venus (d) Earth.

6) On which planet life exists?

- (a) Earth (b) Mars (c) Jupiter (d) Venus.

7) Wet clothes dry more quickly in _____

- (a) fast blowing air (b) slow moving air
(c) calm air (d) vacuum.

8) When does the sun rise in winter?

- (a) At: 7.00am (b) At: 5.00am
(c) At: 9.00am (d) At: 10.00am

9) Sea breeze blows from ---

- (a) land to the sea (b) sea to the land

- 10) Which of the following are formed on the surface of the earth?
 (a) Dew and frost (b) fog and rain
 (c) Hailstone and snow (d) snow and rain
- 11) We need energy to do —
 (a) playing (b) reading (c) fighting (d) All of them
- 12) Heat energy is obtained from —
 (a) fuels (b) oil (c) gas (d) All of them.
- 13) Electrical energy is used to run —
 (a) fans (b) air-conditioners (c) computers (d) All of the
- 14) Coal, petrol, oil and cooking gas are —
 (a) heat energy (b) electrical energy
 (c) fuels (d) none of them.
- 15) Knife, hammer, needle and blade etc are —
 (a) simple machines (b) complex machines
 (c) both a & b. (d) none of them
- 16) We see — drops early in the morning after a cold night on leaves.
 (a) dew (b) land (c) sea (d) All of them
- 17) When we eat food it changes into — energy.
 (a) muscular (b) moving (c) energy (d) none of them
- 18) The surface of the sea gets heated —
 (a) slowly (b) faster (c) quickly (d) none of these
- 19) How many forms of energy are there?
 (a) three (b) two (c) one (d) four.
- 20) — is the ability to do work.
 (a) energy (b) force (c) amount (d) Book.

21) _____ Cools faster than water.

- (a) land (b) blows (c) heat (d) none of them

22) The weather keeps on changing ---

- (a) day to day (b) year to month
(c) month to day (d) all of them.

23) As the Sun sets land and sea surface start

- (a) cooling (b) heating (c) warming (d) none of them

24) The energy given out by the Sun is called ---

- (a) Solar energy (b) electric energy
(c) kinetic energy (d) none of them

25) A Globe is the small model of the ~~earth~~.

- (a) earth (b) moon (c) planet (d) none of them.

26) _____ is possible only on the earth.

- (a) earth (b) sun (c) life (d) all of them

27) The Sun is -----

- (a) star (b) earth (c) sun (d) none of them.

28) _____ is a complex machines

- (a) Bus (b) Needle (c) both a/b (d) none of them

29) Earth has a special force called ---

- (a) frictional (b) Gravity (c) heat (d) snow

30) Which planet is also called the bluish planet?

- (a) Uranus (b) Venus (c) Mercury (d) Jupiter

31) _____ is not formed in the cloudy nights.

- (a) Snow (b) dew (c) hailstones (d) light

32) Drinking polluted water can causes _____ none of

33) _____ travels around the Sun faster than any other planet.

- (a) Mercury (b) Mars (c) Venus (d) Saturn.

34) Venus gets so _____ during the day that it could melt even a metal.

- (a) hot (b) cold (c) warm (d) None of them

35) In which planet it was first that was discovered by using a telescope.

- (a) Neptune (b) Uranus (c) Jupiter (d) Saturn

36) The earth has an _____ line.

- (a) Straight line (b) horizontal line
 (c) Imaginary line (d) None of them

37) Rain, dew, frost, hail, fog and snow are the different forms of _____.

- (a) precipitation (b) Condensation
 (c) evaporation (d) None of them

38) Snow is very light and looks like tiny pieces of _____ as it falls to the earth.

- (a) woolen (b) cotton (c) polyester (d) none of the

39) _____ is used by plants to prepare food.

- (a) heat energy (b) light energy (c) mechanical energy (d) Both a & b.

40) The earth takes one day or _____ hours to go about its axis once.

- (a) 24 (b) 22 (c) 20 (d) 23.

41) A _____ is made up of huge amount of gases which burns all the time producing heat and light.

- (a) planet (b) star (c) moon (d) earth.

42) The _____ space craft has been sent to study this planet.

- (a) Cassini (b) Bhaskar (c) Rohini (d) None of them

43) Uranus is one of the smaller planets but is still large enough to hold _____ earths.

- (a) Sixty four (b) Seventy four
(c) thirty four (d) None of them

44) When we breathe in polluted air _____ substances enter our body.

- (a) harmful (b) useful (c) both a/b (d) none of them

45) _____ is called the water planet.

- (a) moon (b) earth (c) Venus (d) None of them

46) food contains _____ energy.

- (a) chemical (b) heat (c) mechanical (d) none of them

47) The world environment day is celebrated on _____

- (a) 5 June (b) 5 July (c) 5 August (d) none of them

48) The movement of the earth about its axis is called

- (a) rotation (b) Revolution (c) both a/b (d) ^{None of} them

49) The _____ cannot be seen during the day because the bright light of the sun.

- (a) stars (b) sun (c) moon (d) ^{None of} them

50) _____ looks very much like Uranus.

- (a) Neptune (b) Saturn (c) Jupiter (d) ^{None of} them

PART - BQ2) [A] Fill in the blanks :-

- 1) The process of soil being washed away by wind or rain is called Soil erosion.
- 2) Drinking polluted water can cause diseases.
- 3) evaporation takes place all the time.
- 4) Snow are particles of ice in the form of balls.
- 5) If ice crystals do not melt, they fall on earth.
- 6) Force is needed to move an object.
- 7) electrical energy is used to operate heater.
- 8) Machines are used to make our tasks easy.
- 9) A Railway engine gets its energy from steam.
- 10) The movement of the earth about its axis is called rotation.
- 11) Neptune looks very much like Uranus.
- 12) The Star cannot be seen during the day because of the bright light of the sun.

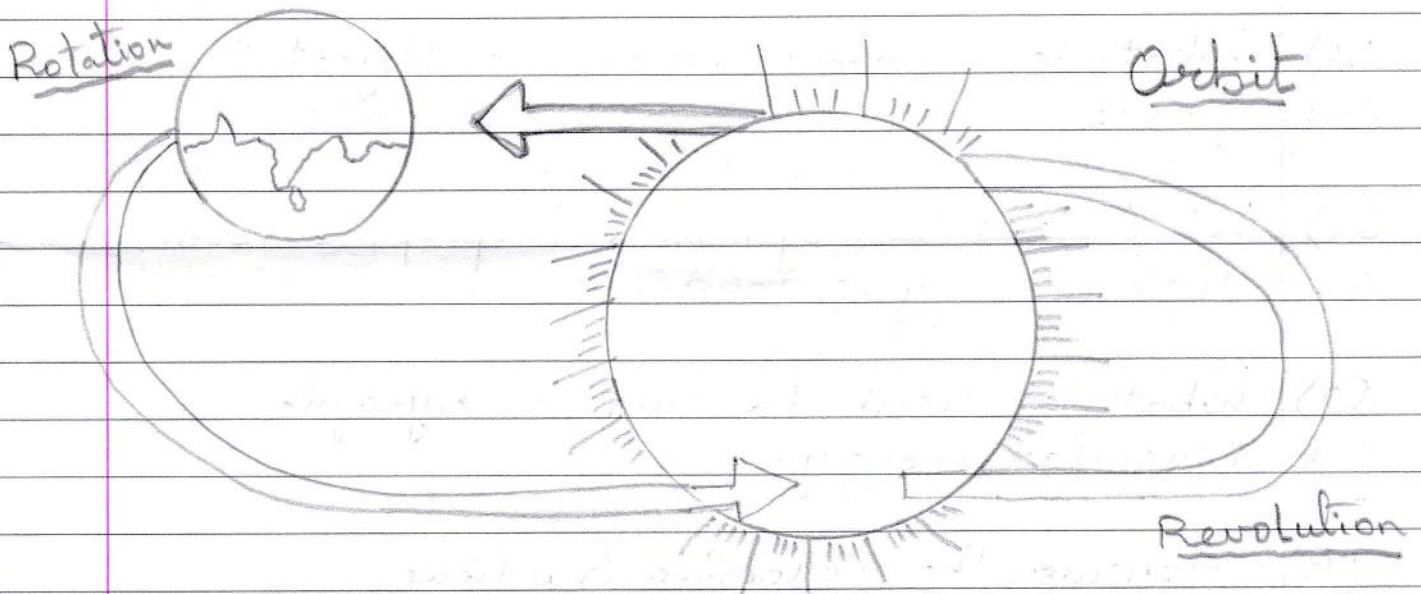
⇒ [B] Write True / false :-

- 1) planets have light and heat of their own. [False]
- 2) planets move along a fixed path. [True]
- 3) Lava flows out when the volcano erupts. [True]
- 4) Stars move from one place to another. [False]
- 5) Acid rain pollutes our environment. [True]
- 6) Trees play no role in air pollution. [False]
- 7) Acid rain damages the soil in which crops grow. [True]
- 8) Sea breeze blows during the night. [False]
- 9) On cooling, water vapour condenses into water - drops. [True]
- 10) Dew and frost are formed on the surface of the earth. [True]
- 11) Steam contains heat energy. [True]
- 12) One form of energy can do only one type of work. [False]

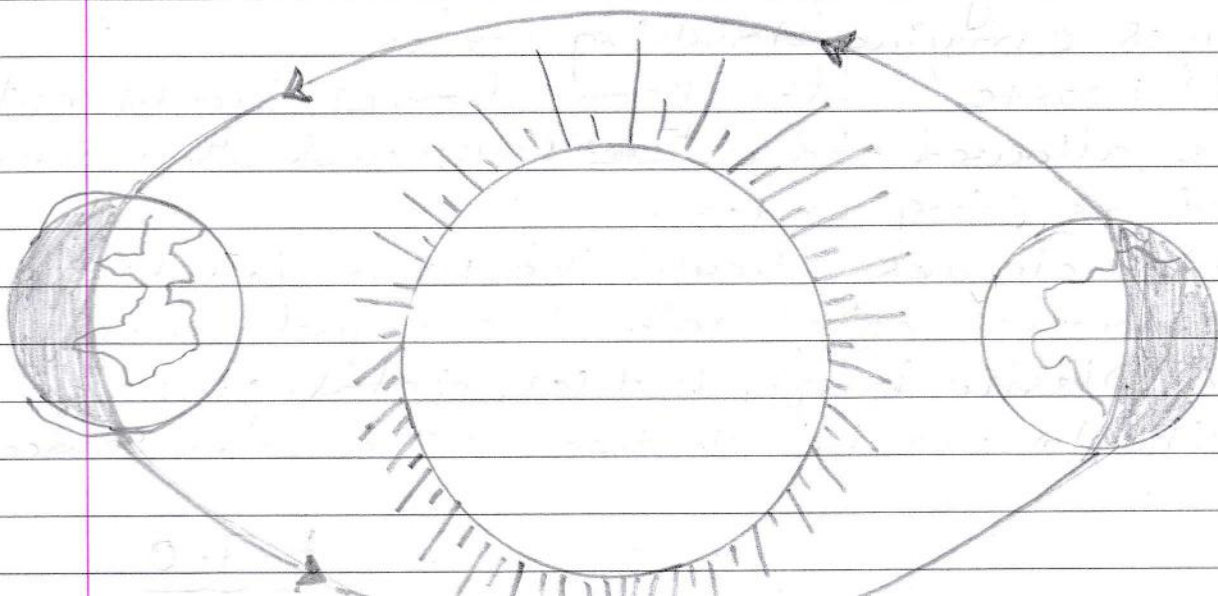
Q3) [A] Do-Matching

<u>A</u>	-	<u>B</u>
1) water mill	-	Moving water
2) Bullock - cart	-	muscles
3) Tube well	-	electricity
4) Transistor	-	Cell
5) Mars	-	Red planet
6) Saturn	-	planet with over 1000 rings
7) Mercury	-	fastest revolving planet.
8) Uranus	-	Bluish planet.

[B] Diagram
Revolution of the Earth.



The Sun Causes weather changes.



(8)

Q4) [A] Answer the following Questions in One word:-

Q1) Which of the following are formed on the surface of the earth?

Ans) Dew and frost

Q2) Which planet is also called the bluish planet?

Ans) Uranus.

Q3) Which energy is used to cook food?

Ans) heat energy

Q4) Which energy is used to run air-conditioner?

Ans) Electrical energy.

Q5) What is needed to move an object?

Ans) force.

Q6) What is used by plants to prepare food?

Ans) light energy.

Q7) What is used to run a by-cycle?

Ans) Muscular energy.

[B] Answer the following Questions!

Q1) How can we prevent water from being polluted?

Ans (i) Sewage pipes should be laid away from pipes carrying drinking water.

(ii) Waste water from homes should not be allowed to enter wells and other sources of drinking water.

(iii) factories should be prevented from throwing water into rivers and seas.

(iv) plastic bags, bottles, metal cans etc. should not be thrown in the water sources.

Q2)

P.T.O

Q2) How does Sea breeze occur?

Ans When air blows from sea to land during the day, it is called sea-breeze. During the day air above the sea heats up slowly than the air above the land. So air above land moves upwards. To fill this space cool air above the sea moves towards land thereby causing sea breeze.

Q3) Give a brief description of the water cycle?

Ans When the sun shines, water from lakes, seas, rivers etc. changes into water vapour and evaporates. In the sky it condenses to form small drops of water. These small drops of water join together to form clouds. When these clouds pass through cooler air, they get cooled further. The water drops become heavier and very heavy they fall to the earth as rain. This is called precipitation. This cycle of evaporation, condensation and precipitation goes on continuously. It is called the water cycle.

Q4) How do seasons affect our life?

Ans Seasons affect our lives in a big way. In summer we arrange to keep our body cool while in winter we arrange to keep our body warm. Seasons affect the lives of other animals and plants also. Animals like frog, turtles, and earthworms become more active in the rainy season. Plants shed their leaves before winter. New leaves grow during the rainy season.

Q5) How do machines help us? What are the different types of machines?

Ans Machines make our tasks easy. With their help a work can be done with less effort.

- (i) Simple machines - knife, blade, needle etc.
(ii) Complex machines - bus, cycle, washing machines etc.

Q6) Explain the formation of :-

(a) Dew (b) fog (c) frost ?

Ans (a) Dew :- When the moist air touches the grass, leaves or flowers, its water vapour get cooled and Condense there into water droplet called dew.

(b) fog :- Sometimes in winters, the water vapour present near the earth's surface condense on the smoke or dust particles which become fog.

(c) frost :- When it is very cold the dew or surface water freezes into tiny white crystals. It is called frost.