

### COMPUTER STUDIES 28-04-2020

1. Read chapter 2 thoroughly
2. Do question answers & exercise of chapter 1 in your workbook or notebook.

### HINDI 28-04-2020

पाठ एक- 'भाषा लिपि एवं व्याकरण' पर आधारित प्रश्नों के उत्तर लिखिए।□

- क) एक शब्द में उत्तर लिखिए।
- ख) विस्तृत प्रश्नों के उत्तर लिखिए।

### विषय – संस्कृत 29-04-2020

1. धातु रूप- 'कृ' धातु के रूप को लृट्-लकार में लिखिए।
2. संस्कृत में वासराः नामानि लिखिए ।

Read, write and learn.

### BIOLOGY 29-04-2020

Class: 7 A and D

Date:29/4/2020

Do Q II B of chapter 8 in notebook.

### CHEMISTRY 29-04-2020

#### PHYSICAL AND CHEMICAL CHANGE

**Ans.1-(a)** A physical change is a change which is temporary, reversible, with no net energy exchanged, no new substance is formed, and also no properties altered for the original substance.

**(b)** A chemical change is a change which is permanent, irreversible, net energy lost or gained, and new substance is formed and also properties of substances are altered.

**Ans.1(b)**-Two examples of above two changes are –

**Chemical change**-Boiling a carrot, Curdling of milk

**Physical change**-Melting of ice, Changing of seasons

**Ans.2**-A reversible change is a change in which the substance can be converted back to its original state, for example converting water to steam is a reversible change because steam can be converted to water back again.

A irreversible change in which the substance cannot be brought back to its original state, for example after boiling a carrot you cannot convert boiled carrot back to raw carrot.

**Ans.3-(a)** A desirable change good and balanced rain in monsoon season.

**(b)** An undesirable change is earthquake.

**(c)** A periodic change is changing of day and night.

**Ans. 4**-Burning is a chemical change because, permanent, irreversible, net energy loss, new substance is formed and properties of paper are altered.

**Ans.5**-Because during burning a candle both melting of wax as well as burning of wax occurs, now, melting of wax is a physical change, and burning of candle is a chemical change.

Melting of wax is a physical change because, it is temporary, reversible, no net energy loss or gain, no new substance is formed, and no properties of wax are altered.

Burning of wax is a chemical change, because it is permanent, irreversible, net energy loss, new products are formed, and properties of wax are altered.

#### Ans.6-EVAPORATION

**(1)** Conversion of water to vapour occurs only at surface throughout the liquid.

**(2)** Takes place at all temperature

**(3)** Causes cooling.

**Ans.7**-The four differences between physical and chemical changes are-

#### BOILING

**(1)** Conversion of water to vapor occurs

**(2)** Takes place at a particular temperature called boiling point.

**(3)** Causes no cooling.

**PHYSICAL CHANGE**

- (1)Temporary
- (2)Reversible
- (3)No net energy loss or gain.
- (4)Properties are not altered

**CHEMICAL CHANGE**

- (1)Permanent
- (2)Irreversible
- (3)Net energy loss or gain.
- (4) Properties are altered.

**Ans.8-(a)**-Water(liquid) changes its state from water vapour(gas).

(b)-Paper converts into black ash with the evolution of heat and light energy.

(c)-The ice cubes inside the tumbler starts melting and water droplets are formed outside the tumbler.

(d)-The solid ammonium chloride starts converting to gas.

(e)-The iron nail starts forming rust.

(f)-The sugar starts converting to black substance.

(g)-The hydrogen gas burns with a pop sound.

(h)-When quicklime is dissolved in water, the water starts boiling.

(i)-The milk in the bowl converts into curd.

**Ques.9-(a)**-Boiling a carrot.

(b)-Photosynthesis.

(c)-Passing electricity through water, water breaks into hydrogen and oxygen.

**PHYSICS 29-04-2020****MEASUREMENT**

**Ques.1. What is measurement?**

Ans. Measurement is determining the magnitude(amount) of a physical quantity.

**Ques.2-Explain when we measure weight on moon it is less as compared to weight measured on earth, but the mass measured on earth and moon are the same?**

Ans. Because the weight is the measurement of force with which a body is attracted by any huge mass, in case of earth, earth is bigger than moon so it attracts with greater force, as compared to moon so weight on earth is greater than on moon. This greater attraction by earth, because of its huge mass is given a physical quantity called acceleration due to gravity so you can also say acceleration due to gravity on moon is less as compared to earth, which caused weight on moon to be less than earth.

In case of mass, it is quantity of matter present in a body which will not change on earth or moon, so it is same on moon and earth.

**Ques.3-When we take a spherical ball and a crush it into powder, what remains same area or volume? Also explain on crushing the spherical ball into powder what increases area or volume?**

Ans-When we crush the spherical ball into a powder the thing that remains same is the volume, which is the space occupied by a body, not the area which is space covered by a body.

On crushing the body the area increases not the volume, the volume remains same.

**Ques.4-If volume is the space occupied by a substance, how would you measure the volume of a stone using a measuring cylinder, beaker and water?**

Ans- For measuring the volume of a stone(space occupied by stone), I will dip the stone in measuring cylinder filled with water, water will rise up in the measuring cylinder, by whatever amount the water level rises up in the measuring cylinder, that is the volume of the stone. Because when the stone was dipped in the measuring cylinder it must have occupied space, which must have caused water to rise up.

**Ques.5- If the formula of density is Density=Mass/Volume, how would you observe density as per mass?**

Ans-The density in above context will be observed as amount of mass (quantity of matter) per unit volume(space occupied).

For example the 1 kg of iron covers less space as compared to 1 kg of cotton, therefore density of cotton is less than density of Iron.

**Ques.6-If the formula of speed of a substance is**

**SPEED=DISTANCE/TIME**

**In reference to above formula explain what do you mean by the statement when we say**

**“speed of A is greater than the speed of B”**

**Also derive the unit of speed using above formula?**

Ans. It means A covers more distance than B in the same time.

The unit of speed is

Speed=Distance(Km)/ Time(hr) , so unit is Km/hr.

**Ques.7-Area is the space occupied by a surface of body-**

**Formula of area of a square is side\*side,**

**How would you determine the area of a body with no defined shape?**

Ans-The area of a body with no defined shape can be calculated using a graph paper. We can put the body over a graph paper draw the outline of the space covered by it. After that we will count the number of squares that body covered. While counting the squares that were more than half in the outline will be considered to be completely inside the outline or as complete, less than half and half are also considered while counting them as half and then adding all of them.

Date: 29 April, 2020

Class: X B and X D

Subject: English language

Assignment: Write composition on any two of the given topics.

Write both formal and informal letters.

Write the given notice and email in the notebook.

Submit the assignment on or before 4th May 2020

Subject: English Literature

Class: XA and XC

Date: 29 April 2020

Assignment: 1.Read poem 8 thoroughly with understanding

2. Answer the questions which are given in your workbook

3. Write answers of question no. 1, 2 and 3 given in the page no.113 in your notebook.

Submit your assignment on or before 4th April 2020