

LT ATUL KATRYA MEMORAL SCHOOL
HOLIDAY ASSIGNMENT (2017-18)
SUBJECT - CHEMISTRY
CLASS - VII

NOTE Prepare Final Term syllabus (chapter 4, 5, 6, 7)

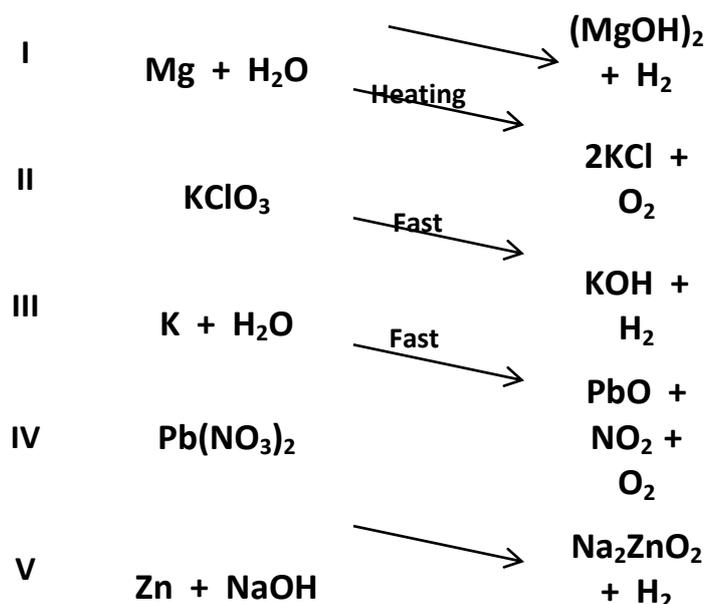
Read chapters thoroughly and do written practice in chemistry practice notebook

Prepare CT-IV syllabus (chapter 7)

Q1 Write down the observations with balanced chemical equations -

- I Green colour metallic carbonate is heated
- II When lead nitrate is heated
- III When a solution of silver nitrate is added to a solution of sodium chloride
When aqueous solution of caustic soda is added to iron sulphate
- IV
- V When sodium reacts with cold water
- VI Iron reacts with oxygen

Q2 Balance the following chemical equations -



Q3 Identify the gas -

- I Sodium nitrate is heated _____
- II During the process of photosynthesis _____
- III When zinc is dropped in dilute hydrochloric acid _____
- IV Calcium carbonate is heated strongly _____
- V Vinegar is added to baking soda _____
- VI Rotten egg smell gas _____
- VII Gas which turns lime water milky _____

- VIII Gas which burns with a pop sound _____
 Laughing gas
- IX _____
- X Gas produced by incomplete combustion of fossil fuels _____

Q4 Calculate the valency of underlined element -

- | | | | |
|-----|---------------------------------------|----|---------------------------------------|
| I | <u>Cu</u> Cl ₂ | IV | Al ₂ <u>O</u> ₃ |
| II | Mg ₃ <u>N</u> ₂ | V | P ₂ <u>O</u> ₅ |
| III | <u>Ca</u> Cl ₂ | VI | <u>S</u> F ₆ |

Write down the molecular formula of the following compounds -

- | | | | |
|-----|-------------------------|----|------------------------------|
| I | Washing Soda _____ | IV | Blue vitriol
_____ |
| II | Baking Soda _____ | V | Hydrated iron oxide
_____ |
| III | King of chemicals _____ | VI | Silver nitrate
_____ |

Q6 One word question answers

- I Who discovered oxygen ? _____
- II What is the full form of CFCs ? _____
- III What is the chemical name of sand ? _____
- IV Main ore of aluminium and iron _____
- V What is the method of collection of oxygen in lab ? _____
- VI One example of neutral oxide _____

LT ATUL KATARYA MEMORIAL SCHOOL
SUBJECT – COMPUTER APPLICATIONS
HOLIDAY HOMEWORK
CLASS -VII

Name: _____ Section: _____ Roll No. _____

Q.1 Write the answer for the following:

a. Height and width of an image should be measures in _____

b. A language used to create webpages- _____

c. An Image format: _____

d. This tag contains all the visible contents of a web page: _____

Q.2 Explain Extend Indicator (EXT) feature of MS Excel.

Q.3 Name any three:

a) Arithmetic Operators:

b) Relational Operators:

c) Logical Operators:

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English Winter Assignment

Class 7

English Language

Q1. Change the speech of the given sentences:

- a. He said to me, "You are a handsome boy."
- b. The teacher said to Jacob, "Stop making a noise."
- c. He said, "Let's go for a walk."
- d. Genie said, "Why did I not meet you before, Johnny?"
- e. You said to her, "Whom did you speak to?"
- f. He said, "The Christians bury their dead."

Q2. Form adjectives by adding suffixes:

- a. danger c. humour
- b. decorate d. beauty

Q3. Interchange the following as directed:

- a. What an idiot you are! (assertive)
- b. How beautiful the sunset is!(assertive)
- c. We should love our country.(Interrogative)
- d. Who can forget his sacrifice?(Assertive)
- e. None is greater than the country.(interrogative)

Q4. Rewrite as passive:

- a. Someone has decorated the room.
- b. The boys flew kites the whole day.
- c. We showed the guests the new building.
- d. Close the door.
- e. Everyone knew him well.
- f. Did you complete your work?
- g. Who has called me?

Q5. Rewrite the following as directed:

- a. Birds fly in the air. (future perfect)
- b. I called. (past perfect)
- c. The Mughals had won the battle. (present cont.)
- d. The play will be beginning. .(future perfect.)
- e. I waited for you. (present perfect cont.)

Q6. Fill in the blanks with the appropriate prepositions:

- a. I put my suitcase.
- b. _____ Meera, all of you are also dismissed.
- c. We are made to sit _____ the floor.
- d. They left the city _____ sunset.

Q7. Join as directed:

- a. He has four sons. He must educate them.(infinitive)

- b. The day was pleasant. The people visited the Yamuna.(participle)
- c. He ran at top speed. He won the race .(participle)
- d. Did you receive the letter? I sent the letter yesterday. (relative pronoun)
- e. Ashok stood first in the examination. He is my cousin. (relative pronoun)
- f. Get up early so that you catch the train.(infinitive)
- g. He went to Banaras. He wanted to visit all the temples. (infinitive)

Q8. Rewrite as directed:

- a. I met a girl who was the best dancer of my school, yesterday. (phrase)
- b. Mr.Raman is an engineer who is experienced. (phrase)
- c. She was punished for her carelessness. (clause)
- d. It is a pot of green colour. (clause)

English Literature

- Q1. Mention the list of things the hitch hiker managed to get from the driver's possession.
- Q2. Do you feel the hitch hiker is ashamed of his job? Why/why not?
- Q3. What does the poet wish to emphasise on in the poem 'The lake Isle of Innisfree'?
- Q4. What does the poet wish to experience in a small cabin and the nine bean rows? Explain.
- Q5. Why was Halku contented at last? How did his feelings contradict with his wife's?
- Q6. How and which affair did Bertha manage carefully? How was she a good angel?
- Q7. Describe the shop where the lady went to shop, in 'The Export Quality'. What is referred to as maze?
- Q8. Who were the people on streets in Julius Caesar? Why were they there? Who didn't like them to be there?
- Q9. Who were talking to each other in Julius Caesar? Who said that he was the mender of bad soles? To Whom and why did he say so?
- Q10. Read any writings/ books of **R K Narayan** and summarise the story that you read ,describing any of your favourite characters and incidence.

HAPPY NEW YEAR.....

LT ATUL KATARYA MEMORIAL SCHOOL
WINTER HOLIDAYS HOMEWORK ASSIGNMENT
CLASS: VII
SUBJECT - PHYSICS

1. Name the type of motion in the following :

a) Hands of clock b) Carpenter's saw c) Smoke particles from chimney d) Drill machine

2. Write T or F and rewrite the incorrect statements:

- a) The motion of a pendulum is curvilinear.
- b) The weight of a body is measured using spring balance.
- c) Black surfaces are the poor absorbers of heat radiations.
- d) Insulators allow heat to pass through them.
- e) A group of two or more cells is called a battery.

3. Define the following :

a) Rest b) Electric circuit c) Temperature d) Magnetic Field e) Electromagnet f) Reflection of light

4. Complete : (i) Red + Green = _____ (iii) Blue + Red = _____

(ii) Green + Blue = _____ (iv) Yellow + Blue = _____

5. Draw the following diagrams:

a) Image formation of point object by a plane mirror b) Reflection of light

7. Draw the symbolic representation of :

a) Cell b) battery c) Switch open d) Switch closed e) resistor f) bulb

8. State two differences between:

a) Mass and weight b) Conduction, Convection , Radiation

9. Write one word for the following :

a) The to and fro motion of a body from its rest position is called _____

b) Distance covered by a body in one second _____

c) Speed of light in air _____

d) Rate of flow of charges is called _____

10. Convert into Kelvin : a) 84°C b) -112°C c) -40°C

11. Convert into $^{\circ}\text{F}$: a) 105°C b) 235°C

NOTE: 1. Do this assignment in separate thin copy.

2. Learn the whole syllabus of final term and do written practice.

ATUL KATARYA MEMORIAL SCHOOL
GEOGRAPHY HOLIDAY HOME WORK
CLASS- VII

Q1. Define the following terms:

- a. Energy resources
- b. Fossil fuel
- c. Peninsula
- d. Fold mountain
- e. Phytoplankton
- f. Flora
- g. Fermentation
- h. Labour intensive

Q2. Answer the following question:

- a. What are the disadvantages of using coal?
- b. Solar energy is the hope of future. Explain.
- c. Write the major feature of North European Plains.
- d. Write four features of the climate of Antarctica.
- e. Write some features how animals in Antarctica cope up with cold.
- f. Analyse some features of sheep rearing in Australia.
- g. Explain the geographical requirements for cocoa cultivation.
- a. Find out all the reasons from the chapters and write.
- h. Do map practice of Africa and Europe.