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| Sub - Chem Month | Chapter | Period | Activity Topics | P.T.  (M.T) | Internal Assessment  C.W./H.W.,  NOTEBOOK SUBMISSION | Subject Enrichment | Marks | | |
| 1ST  TERM | 2ND  TERM | 3RD  TERM |
| APRIL/ MAY  JUNE/JULY  AUGUST  SEPTEMBER  OCTOBER  NOVEMBER  DECEMBER  JANUARY/FEB  MARCH | Chapter 1:  Chemical reactions and equations  Lab practical : 01  Chapter 2: Acide , base and salt  LAB : PRACTICLE (02)  Chapter 03: metal and nonmetal  LAB : PRACTICLE (03)  chapter 4 : Carbon and its compound  LAB : PRACTICLE (04) | 15 periods  10 period  18 PERIOD  12 period  12 periods  05 periods  18 periods  04 periods | Chemical equation, balanced chemical equation, implications of a balance chemical equation. Types of chemical reactions, combination reaction, decomposition reaction, displacement reaction, double displacement reaction, precipitation, endothermic reaction, exothermic reaction, oxidation and reduction  Performing and observing the following reaction and classifying them into :-   1. Combination reaction. 2. Decomposition reaction. 3. Displacement reaction. 4. Double displacement reaction. 5. Action of water on quicklime. 6. Action of heat on ferrous sulphate crystals . 7. Iron nail kept in copper sulphate solution. 8. Reaction between sodium sulphate and barium chloride solution.   Their definition in terms of furnishing H+ and OH- , general properties, example and uses , neutralization, concept of pH scale , importance of PH in everyday life, preparation and uses of sodium hydroxide, bleaching powder, baking soda , washing soda and plaster of Paris.  Finding the pH of the following sample by using pH paper/ universal indicator :   1. Dilute hydrochloric acid. 2. Dilute NaOH solution. 3. Dilute ethanoic acid solution 4. Lemon juice 5. Water 6. Dilute hydrogen carbonate solution 7. Dilute sulphuric acid solution   REVISION  1ST TERM EXAM  Introduction ,physical properties of metal, physical properties of non metals, chemical properties of metal, what happened when metal burnt in air, what happened when metal react with acid , how do metal react with solution of other metals, basic metallurgical process :corrosion and its prevention.  Observing the action of Zn , Fe, CU and Al metals on the following salt solutions: ZnSO4(aq) , CuSO4 (aq), Al(SO4)3  Arrange them as per activity  Covalent bonding in carbon compound ,versatile nature of Carbon, Homogeneous series , nomenclature of carbon compound containing functional groups ( halogens, alcohol, ketones , aldehydes, alkenes, alkynes) , difference between saturated and unsaturated hydrocarbons, chemical properties of Carbon compound ( combination , oxidation , addition and substitution reaction ). Ethanol and ethanoicacid ( only property and uses ) , shops and detergents.  Study of the following properties of acetic acid (ethanoic acid)  Odour, solubility in water, effect on litmus, reaction with NaHCO3  Pre- board Exam and revision  Mock test and revision  Board exam | 22/04/2024  11/11/2024 | Neat and clean regularity complete work oral and activity work related to chemical reactions  Neat and clean and copy work oral and activities work related to acid base and salt.  Neat and clean regularity complete work oral activities work related to metal and nonmetal  Neat and clean copy work oral and activity work related to carbon and its compound | Activity take a lead nitrate solution in a test tube and potassium iodide solution. What do you observe?  Experiment :-studying the properties of acid and bases (NaOH and HCL ) on the basis of their reaction with litmus solution, zinc metal, solid sodium carbonate  Activity:- Take samples of iron, copper, aluminium and magnesium note the appearance of each sample . Clean the surface of is sample by rubbing them with sandpaper and note there appearance again  Activity of : Study of the comparative cleaning capacity of a sample of soap in soft and hard –water.  Activity :- Experimentally show that CO2 is given out during respiration. | 10  15 | 5  5  10 |  |

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| Portion for Monday test :-  M.T. : -01 (22/04/2024)  Portions :-chapter 1 chemical reaction and equations  M.T. :- 02 ( 26/08/2024)  Portions :- chapter 2 acid bases and salt  M.T. :- 03 ( 11/11/2024)  Portions :- Chapter 03 Metals and non-metals  Chapter 04 Carbon and its compounds | | Portion for Unit test :-  Portions of UT – 01 [ 25/05/2024 – 02/06/2024 ]  Chapter -0 1 Chemical reaction and equation  Portions of UT – 02 [ 01/08/2024 – 10/08/2024 ]  Chapter -0 2 Acid, Base and Salt  Portions of UT – 03 [ 08/11/2024 – 13/11/2024 ]  Chapter -0 3 Metal and nonmetal  Portions of UT – 04 [ 01/02/2025 – 09/02/2025 ]  chapter 4 : Carbon and its compound | |
| 1ST TERM EXM :  Chapter -0 1 Chemical reaction and equation  Chapter -0 2 Acid, Base and Salt | Portion for terminal exm :-  MID TERM EXM :  Chapter 03: metal and nonmetal  chapter 4 : Carbon and its compound | | YEARLY EXM :  Chapter -0 1 Chemical reaction and equation  Chapter -0 2 Acid, Base and Salt  Chapter 03: metal and nonmetal  chapter 4 : Carbon and its compound |