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| Sub - Chem Month | Chapter | Period | Activity Topics | P.T.(M.T) | Internal AssessmentC.W./H.W., NOTEBOOK SUBMISSION | Subject Enrichment | Marks |
| 1STTERM | 2NDTERM | 3RDTERM |
| APRIL/ MAYJUNE/JULYAUGUSTSEPTEMBEROCTOBERNOVEMBERDECEMBERJANUARY/FEBMARCH | Chapter 1:Chemical reactions and equationsLab practical : 01Chapter 2: Acide , base and saltLAB : PRACTICLE (02)Chapter 03: metal and nonmetalLAB : PRACTICLE (03)chapter 4 : Carbon and its compoundLAB : PRACTICLE (04) | 15 periods10 period18 PERIOD12 period12 periods05 periods18 periods04 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 reductionPerforming 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

REVISION1ST TERM EXAMIntroduction ,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 activityCovalent 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 NaHCO3Pre- board Exam and revisionMock test and revisionBoard exam | 22/04/202411/11/2024 | Neat and clean regularity complete work oral and activity work related to chemical reactionsNeat 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 nonmetalNeat 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 carbonateActivity:- 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 againActivity 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. | 1015 | 5510 |  |

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| Portion for Monday test :- M.T. : -01 (22/04/2024)Portions :-chapter 1 chemical reaction and equationsM.T. :- 02 ( 26/08/2024) Portions :- chapter 2 acid bases and saltM.T. :- 03 ( 11/11/2024)Portions :- Chapter 03 Metals and non-metalsChapter 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 equationPortions of UT – 02 [ 01/08/2024 – 10/08/2024 ]Chapter -0 2 Acid, Base and SaltPortions of UT – 03 [ 08/11/2024 – 13/11/2024 ]Chapter -0 3 Metal and nonmetalPortions of UT – 04 [ 01/02/2025 – 09/02/2025 ]chapter 4 : Carbon and its compound |
| 1ST TERM EXM :Chapter -0 1 Chemical reaction and equationChapter -0 2 Acid, Base and Salt | Portion for terminal exm :-MID TERM EXM :Chapter 03: metal and nonmetalchapter 4 : Carbon and its compound | YEARLY EXM :Chapter -0 1 Chemical reaction and equationChapter -0 2 Acid, Base and SaltChapter 03: metal and nonmetalchapter 4 : Carbon and its compound |