Chemistry Project Work Investigatory Project

• Strictly as per the Full syllabus for Board 2022-23 Exams • Includes Questions • Chapterwise and Topicwise Revision Notes for in-depth study • Modified & Empowered Mind Maps for quick learning • Concept videos found Difficult & Suggestions for students. • Includes Academically important Questions (AI) • Dynamic QR code to keep the students updated for 2023 Exam paper or any further ISC notifications/circulars

The CBSE has made certain changes in the assessment structure from the session 2019-20 onwards, there will be internal choices in board the internal choices in board the internal marks will be divided among different activities. From 2019 onwards, there will be internal choices in board to see in board to see in board the internal marks will be divided among different activities. From 2019 onwards, there will be internal choices in board to see in board to s examinations with increased internal options in the question paper. Considering this change, now a student has to prepare and examination. The new assessment format brought with it excitement as well as anxiety. And to help them prepare and excel in their CBSE board examination. The new assessment format brought with it excitement as well as anxiety. And to help them prepare and excel in their CBSE board examinations. The new assessment format brought with Solutions. The new assessment format brought with it excitement as well as anxiety. And to help them prepare and excel in their CBSE board examination. The new assessment format brought with Solutions are not paper. Syllabus of CBSE and the new assessment format brought with it excitement as well as anxiety. And to help them prepare and excel in their CBSE board examination.

2019-20. Based on the latest CBSE Syllabus & Pattern. Mind map of each chapter is given to visualize and help acquire a better understanding. Important terms, facts, formulae and smoothen their path to success. We wish to utilize the opportunity to place on record our special

thanks to all the members of the Content Development team for their efforts to create this wonderful book. This product covers the following: • 10 Sample Papers-5 Solved & 5 Self-Assessment Papers strictly designed as per the latest CBSE Sample Paper analysis • On-Tips Notes & Revision Notes for Quick Revision • Mind Maps & Mnemonics with 1000+concepts for better learning • 500+Questions for practice

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An Excellent Book in Accordance with the latest syllabus for Class-11 Prescribed by CBSE/NCERT and Adopted by Various State Education of Chemical Substances 1. To determine the melting point of the given unknown organic compound and its identification (simple laboratory

technique), 2. To determine the boiling point of a given liquid when available in small quantity (simple laboratory method), 3. To prepare the pure crystals of benzoic acid from the given crude sample, 4. To prepare the pure crystals of benzoic acid from the given crude sample, 5. To prepare the pure crystals of benzoic acid from a given impure sample, 4. To prepare the pure crystals of benzoic acid from the given crude sample, 5. To prepare the pure crystals of benzoic acid from a given impure sample, 4. To prepare the pure crystals of benzoic acid from the given crude sample, 5. To prepare the pure crystals of benzoic acid from the given impure sample, 4. To prepare the pure crystals of benzoic acid from the given impure sample acid from the given crude sample, 4. 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To determine the strength of a given solution of hydrochloric acid by titrating it against a standard N/10 or M/20 sodium carbonate solution, (F) Qualitative Analysis of Cations (G) Detection of Elements in Organic compound sample number by Lassaigne 's test INVESTIGATORY PROJECTS (A) Checking of Bacterial Contamination in Water 1.To check the bacterial contamination in drinking water by testing sulphide ions (B) Methods of Water by oxidising agent, 8.To purify water samples. (D) Foaming Capacity of Various Soaps 1. To study the rate of evaporation 1. To study the rate of evaporation of different liquids (H) Effect of Acids and samples of tea leaves (tea) by using pH paper (F) Analysis 1. To study the rate of evaporation of different liquids (H) Effect of Acids and samples of tea leaves (tea) by using pH paper (F) Analysis of Fruits and Vegetable juices 1. To analyse the fruit and vegetable juices for the constituent present in them (G) Rate of Evaporation 1. 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Comprehensive Practical Chemistry XII A. Surface Chemistry 1.To prepare colloidal solution of arsenious sulphide [As2S3], 7. To prepare colloidal solution of egg albumin 3.To prepare colloidal solution of egg albumin 3.To prepare colloidal solution of egg albumin 3.To prepare colloidal solution of arsenious sulphide [As2S3], 7. To purify a freshly prepare colloidal solution of egg albumin 3.To prepare colloidal solution 6.To prepare co Voce B. Chemical Kinetics 1. To study the effect of concentration on the rate of reaction between sodium thiosulphate and hydrochloric acid, 3. To study the rate of reaction between sodium thiosulphate and hydrochloric acid, 3. To study the rate of reaction between sodium thiosulphate and hydrochloric acid, 3. To study the rate of reaction between potassium iodate (KIO3) and sodium sulphite (Na2SO3) using starch solution as indicator Viva-Voce C. Thermochemistry 1. Determine the enthalpy of dis solution of copper sulphate (CuSO4.5H2O) in water at Room temperature, 2. To determine the enthalpy of neutralization of the reaction between acetone and chloroform Viva-Voce D. Electrochemistry 1.To study the variation of the reaction between acetone and chloroform Viva-Voce D. Electrochemistry 1.To study the variation of the reaction between acetone and chloroform Viva-Voce E.Chromatography 1.To separate the coloured components (pigment) present in the given extract of leaves and flowers by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the given mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the given mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the given mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components present in the given mixture of red and blue inks by ascending paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured components paper chromatography and find their Rf values, 3.To separate the coloured coloured coloured coloured colou sulphate, 2. To prepare a pure sample of potash alum (fitkari), 3. Preparation of crystals of potassium ferric oxalate or potassium ferric oxa Carbohydrates, Fats and Proteins 1. To study simple reactions of carbohydrate, 2. To study simple reactions of fats, 3. To study simple reactions of fats, 3. To study simple reactions of proteins, 4. To investigate presence of carbohydrates, fats and proteins in food stuffs Viva-Voce J. Volumetric Analysis 1. To prepare M/20 solution of oxalic acid, with its help find out the molarity and strength of the given solution of potassium permanganate, 4. Prepare M/20 solution of oxalic acid, with its help find out the molarity and strength of the given solution of potassium permanganate, 4. Prepare M/20 solution of oxalic acid, with its help find out the molarity and strength of the given solution of potassium permanganate, 4. Prepare M/20 solution of oxalic acid, with its help find out the molarity and strength of the given solution of potassium permanganate, 4. 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various concentrations. 5. To study the digestion of starch by salivary amylase and the effect of pH and temperature on it. 6. To study and compare the rate of fermentation of the following materials—wheat flour, gram flour, potato juice and carrot juice and the effect of pH and temperature on it. 6. To study and compare the rate of fermentation of the following materials—wheat flour, gram flour, potato juice and the effect of pH and temperature on it. 6. To study and compare the rate of fermentation of the following materials—wheat flour, gram flour, potato juice and the effect of pH and temperature on it. 6. To study and compare the rate of fermentation of the following materials—wheat flour, gram flour, potato juice and the effect of pH and temperature on it. 6. To study and compare the rate of fermentation of the following materials—wheat flour, gram flo This product covers the following: Strictly as per the Full syllabus for Board 2022-23 Exams Includes Questions of the both - Objective & Subjective Types Questions to facilitate exam-oriented preparation. Examiners comments & Answering Tips to aid in exam preparation. Includes Topics found Difficult & Suggestions for students. Includes Academically important Questions (AI) Dynamic QR code to keep the students updated for 2023 Exam paper or any further ISC notifications/circulars

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<text>This Book Has Been Especially Written For Class Xii Students Under 10+2 Pattern Of Education And To Clarify The Use Of Various Apparatus Used In The Syllabi Prescribed By The Cbse And Other Students In Acquiring Correct Skills In Practicals And Various Apparatus Used In The Laboratory. * Theoretical Aspects Of Each Equipment Have Been Discussed Along With Experiments. * In Volumetric Analysis, (Inorganic And Organic), Various Tests Have Been Included In Each Chapter. * A Fairly Large Number Of Investigatory Projects Covering Various Topics Are Given. Selection Of Projects Is Carefully Made Which Can Be Easily <text>Performed In School Laboratory. * An Appendix Describing Various Chemical Hobbies In Collection Will Help The Science For The Solubility'S Of Various Agencies. These Experiments Will Cultivate Interest Among The Basic Principles Involved And The Science Fares Organized By Various Agencies. These Experiments Will Cultivate Interest Among The Students For Learning Chemistry. * An Appendix Each For The Solubility'S Of Various Salts, Atomic Weights In Community Some Typical Chemical Hobbies. These Experiments Will Cultivate Interest Among The Students For The Solubility Soff Various Salts, Atomic Weights Interest Among The Students For Learning Chemistry. These Experiments Will Cultivate Interest Among The Students For The Solubility Soff Various Agencies. These Experiments Will Cultivate Interest Among The Students For The Solubility Soff Various Agencies. These Experiments Will Cultivate Interest Among The Students For Learning Chemistry. Preparation Of Various Reagents, Indicator Papers And The First Aid To Be Administered In Case Of Accidents Is Given. The Syllabi Prescribed For Class Xii Students Under 10+2 Pattern Along With Distribution Of Marks Is Also Given.

As teachers we often tend to expect other countries to teach chemistry in much the same way as we do, but education in different countries from all over the world. 25 countries more transparent and to facilitate communication between these countries. Especially in the case of the school subject chemistry, which is very unpopular on the one hand and occupies an exceptional position on the other hand - due to its importance for innovation capacity and problem solving - we have to learn from each others' educational systems. The method of teaching each subject play a pivotal role in enhancing the efficiency of their practitioners. Identifying the very importance of the methods of teaching and the quality of books, a series of books on the methods of teaching and the quality of books, a series of books on the methods of teaching and the quality of books, a series of books, a series of books, a series of books, a series of books on the methods of teaching the efficiency of their practitioners. Identifying the very importance of the methods of teaching and the quality of books, a series of books, a series of books, a series of books on the methods of teaching the very importance of the methods of teaching and the quality of books, a series of books, a series of books, a series of books, a series of books on the methods of teaching the very importance of th

visual Aids in Use, Experiments in Innovation, Programmes for Enrichment, Instruction in a Programmed Manner, Individual Level Instructions, Planning the Lessons, Curriculum (India), Curriculum (World), Textbook and Material Projects, Social Service.

Bases on Tensile Strength of Fibres 1.To compare the tensile strength of natural fibres and synthetic fibres, 2.To study the effect of acids and bases on tensile strength of different fibres. Log & Antilog Table

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Explore the Properties of Today's Widely Used Nanomaterials-centerials and Assess Their Potentially Assess Their Potentially Their Potentially Their T]...and measurement of nanomaterials...and measurement of nanomaterials...and measurement of nanomaterials...and much experts from around the world, this comprehensive book presents cutting-edge coverage of the fabrication, and measurement of nanomaterials...and much strain for nanom]. The latest findings on the environment of nanomaterials in the environment of nanomaterials in the ecotoxicological impacts of nanomaterials New and distribution.]. The control of Nanomaterials • Emerging Markets for Nanomaterials • Nanomaterials • Characterization of Nanomaterials • Characterization

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Contents: Introduction, Scope and Influence, Past Experience, Objectives and Aims, Teaching Devices, Audio-Visual Aids, Role of Laboratory, A Rich Laboratory, New Trends, Place among other Discipline. Highly Useful for Various Engineering and Medical Competitive Examinations.

1. Basic Laboratory Techniques 1. To cut a glass tube or glass rod, 2. To bend the glass rod at an angle, 3. To draw a glass tube into it Viva-Voce 2. Characterisation of Chemical Substances 1. To determine the melting point of the given unknown organic compound and its identification (simple laboratory technique) Viva-Voce 2. To determine the melting point of the given unknown organic compound and its identification (simple laboratory technique) Viva-Voce 2. To determine the boiling point of a given liquid when available in small quantity (simple laboratory method) Viva-Voce 3.To prepare crystals of pure sample 4.To prepare the pure crystals of benzoic acid from the given impure sample 4.To prepare the pure crystals of benzoic acid from the given impure sample 4.To prepare the pure crystals of benzoic acid from a given impure sample 4.To prepare the pure crystals of pure potash alum [K2SO4.Al2(SO4)3.24H2O] from the given impure sample 4.To prepare the pure crystals of benzoic acid from a given impure sample 4.To prepare the pure crystals of benzoic acid from the given crystals of benzoic acid from the given impure sample 4.To prepare the pure crystals of benzoic acid from the given impure sample 4.To pH paper 2. To determine and compare the pH values of solutions of strong acid (CH3COOH) 5. To determine the change in the titration of strong acid (CH3COOH) 5. To determine the change in pH value of weak acid (CH3COOH) 5. To determine the change in pH value of weak base (NH4OH) in presence of a common ion (CH3COOH) 5. To determine the change in pH value of weak base (NH4OH) in presence of a common ion (NH4+) Viva-Voce 4. Chemical Equilibrium 1 To study the shift in equilibrium between ferric ions and thiocyanate ions by changing the concentrations of either of the ions 2.To prepare M/10 solution of sodium carbonate by direct weighing method 3.To determine the strength of given solution of sodium hydroxide by titrating it against N/10 or M/20 solution of oxalic acid 4. To determine the strength of a given solution of hydrochloric acid by titrating it against N/10 or M/20 solution of oxalic acid 4. To determine the strength of a given organic compounds 1. To detect the presence of nitrogen, sulphur and halogens in a given organic compound by Lassaigne's test 2.To detect the presence of nitrogen, sulphur and halogens in the given organic compound sample number by Lassaigne's test Viva-Voce 1. To purify water by testing sedimentation in Water by testing sulphide ions Viva-Voce 2. Methods of Water from suspended impurities by using sedimentation 2. To purify water by boiling 3. o purify water by distillation method 4. To purify water by reverse osmosis technique 5. To purify water by GAC method 6. To purify water by ozone treatment 7. To purify water by ozone treatment 7. To purify water by oxidising agent 8. To purify water by ozone treatment method 6. To purify water by ozone treatment 7. To purify water by ozone treatment 8. To purify water by ozone treatment 7. To purify water by ozone treatment 8. To purify water by ozone treatment 8. To purify water by ozone treatment 7. To purify water by ozone treatment 8. To purify water by ozone treatment 9. To purify water by ozone treatment 8. To purify water 8

addition of sodium carbonate on foaming capacity of washing soap Viva-Voce 8. Effect of Acids and Bases on Tensile Strength of Fibres 1.To compare the tensile strength of natural fibres and synthetic fibres 2.To study the effect of acids and bases on tensile strength of different fibres Viva-Voce

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