

Glenrich International School, Uttara

Session 2024-25

Grade 10

SYLLABUS BREAKUP



SUBJECT	PRACTICE TEST	SCREENING TEST
ENGLISH	<p>Directed Writing: 40 marks - one of the following genres will be there:</p> <p>Letter Article speech</p>	<ol style="list-style-type: none"> 1. Reading Comprehension(unseen), 2. Summary Writing(unseen), 3. Writer's Choice of Language 4. Response writing-Letter(formal/informal), Newspaper report, Journal writing, Official Report, Interview 5. Directed Writing- Letter, Speech, Article 6. Narrative and Descriptive composition
BANGLA	<ol style="list-style-type: none"> 1. Letter, Report ,Speech (120 Words) - 30Marks 2.Cloze Passage -20Marks 	<p>Paper-1</p> <ol style="list-style-type: none"> 1. Letter, Report ,Speech (120 Words) 2. Essay- (200Words) <p>Paper-2</p> <p>Section A</p> <ol style="list-style-type: none"> 3. Separation/Combination of words - (Soro, Banjon,Bisorgo Sondhi) 4. Idioms, Proverbs and Words in Pairs- 5. Sentence Transformation- 6. Cloze Passage- <p>Section B</p> <ol style="list-style-type: none"> 7. MCQ Comprehension - <p>Section C</p> <ol style="list-style-type: none"> 8. OE Comprehension (Open - ended questions)- 9. Vocabulary-

<p>GENERAL MATHS</p>	<p>Chapter 3: Lines, angles and shapes Chapter 4: Collecting, organising and displaying data Chapter 5: Fractions, percentages and standard form Chapter 6: Equations Factors and formulae Chapter 7: Perimeter, area and volume Chapter 8: Introduction to probability Chapter 9: Sequences, surds and sets Chapter 10: Straight lines and quadratic equations Chapter 11: Pythagoras' theorem and similar shapes Chapter 12: Averages and measures of spread Chapter 13: Understanding Measurement Chapter 14: Further solving of equations and inequalities Chapter 15: Scale drawings, Bearings and trigonometry Chapter 16: Scatter diagrams and correlation Chapter 17: Managing Money Chapter 18: Curved graphs Chapter 19: Symmetry Chapter 20: Histograms and cumulative frequency diagrams Chapter 21: Ratio, rate and proportion Chapter 22: More equations, formulae and functions Chapter 24: Probability using tree diagrams and venn diagrams</p>	<p>Chapter 1: Reviewing number concepts Chapter 2: Making sense of algebra Chapter 3: Lines, angles and shapes Chapter 4: Collecting, organising and displaying data Chapter 5: Fractions, percentages and standard form Chapter 6: Equations Factors and formulae Chapter 7: Perimeter, area and volume Chapter 8: Introduction to probability Chapter 9: Sequences, surds and sets Chapter 10: Straight lines and quadratic equations Chapter 11: Pythagoras' theorem and similar shapes Chapter 12: Averages and measures of spread Chapter 13: Understanding Measurement Chapter 14: Further solving of equations and inequalities Chapter 15: Scale drawings, Bearings and trigonometry Chapter 16: Scatter diagrams and correlation Chapter 17: Managing Money Chapter 18: Curved graphs Chapter 19: Symmetry Chapter 20: Histograms and cumulative frequency diagrams Chapter 21: Ratio, rate and proportion Chapter 22: More equations, formulae and functions Chapter 23: Transformations and vectors Chapter 24: Probability using tree diagrams and venn diagrams</p>
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<p>ADDITIONAL MATHS</p>	<p>Ch 9 Trigonometry Ch-12 Differentiation-1.Topics: Second derivatives,Stationary Points, Maximum and Minimum values Ch-14 Differentiation-2 Topics : Derivatives of Exponential,Logarithmic and Trigonometric functions,Further Applications Ch-15 Integration Topics : Differentiation reversed,Indefinite,definite Integrals Revision of : Chapter 1: Functions Chapter 2: Simultaneous Equation and quadratics, Chapter 3 : Indices Chapter 4 :Factors and Polynomials Chapter 5: Equations, Inequalities and Graphs Chapter 6: Logarithmic and exponential Functions, Chapter 7 : Straight Line Graphs Chapter8: Circular measure Chapter: 11 Series</p>	<p>Ch 9 Trigonometry Ch-12 Differentiation-1.Topics: Second derivatives,Stationary Points, Maximum and Minimum values Ch-14 Differentiation-2 Topics : Derivatives of Exponential,Logarithmic and Trigonometric functions,Further Applications Ch-15 Integration Topics : Differentiation reversed,Indefinite,definite Integrals Ch-10 Permutations and Combinations Topics : Factorial Notation,Arrangements,Permutations,Combinations" Revision of : Chapter 1: Functions Chapter 2: Simultaneous Equation and quadratics, Chapter 3 : Indices Chapter 4 :Factors and Polynomials Chapter 5: Equations, Inequalities and Graphs Chapter 6: Logarithmic and exponential Functions, Chapter 7 : Straight Line Graphs Chapter8: Circular measure Chapter: 11 Series</p>
<p>CHEMISTRY</p>	<p>Unit 4: Structure & bonding, Unit 5: Formulae & equation, Unit 6: Chemical calculations, Unit 7: Electricity & chemistry, Unit 8: Chemical energetics,Unit 9: Rates of reaction, Unit 10: Chemical reactions,Unit 11: Acids & Bases,Unit 12: Making & identifying salts, Unit 16: Compounds of nitrogen & sulfur, Unit 18: Organic chemistry & petrochemicals,Unit 19: Some homologous series of organic compounds & Unit 20: Polymers</p>	<p>Unit 1: Particle theory,Unit 2: Separating substances, Unit 3: Atoms, elements & compounds, Unit 4: Structure & bonding, Unit 5: Formulae & equation, Unit 6: Chemical calculations, Unit 7: Electricity & chemistry, Unit 8: Chemical energetics,Unit 9: Rates of reaction, Unit 10: Chemical reactions,Unit 11: Acids & Bases,Unit 12: Making & identifying salts, Unit 13: The Periodic Table,Unit 14: Metals & reactivity,Unit 15: More about Metals, Unit 16: Compounds of nitrogen & sulfur,Unit 17: Environmental chemistry, Unit 18: Organic chemistry & petrochemicals,Unit 19: Some homologous series of organic compounds & Unit 20: Polymers</p>

<p>PHYSICS</p>	<p>1 Making measurements 2 Describing motion 3 Forces and motion 4 Turning effects of forces 5 Forces and matter (+pressure) 6 Energy transformations and energy transfers 7 Energy resources 8 Work and power 9 The kinetic model of matter 10 Thermal properties of matter 11 Thermal (heat) energy transfers 12 Sound 13 Light 14 Properties of waves 15 Spectra 16 Magnetism 17 Static electricity 18 Electrical quantities 19 Electric circuits 20 Electromagnetic forces 21 Electromagnetic induction 22 The nuclear atom 23 Radioactivity</p>	<p>1 Making measurements 2 Describing motion 3 Forces and motion 4 Turning effects of forces 5 Forces and matter(+pressure) 6 Energy transformations and energy transfers 7 Energy resources 8 Work and power 9 The kinetic model of matter 10 Thermal properties of matter 11 Thermal (heat) energy transfers 12 Sound 13 Light 14 Properties of waves 15 Spectra 16 Magnetism 17 Static electricity 18 Electrical quantities 19 Electric circuits 20 Electromagnetic forces 21 Electromagnetic induction 22 The nuclear atom 23 Radioactivity 24 Astrophysics</p>
<p>BIOLOGY</p>	<p>Chapter 14: Reproduction in Plant Chapter 15: Reproduction in humans Chapter 16: Chromosomes, genes and protein Chapter 17: Variation and selection Chapter 20: Biotechnology and genetic engineering Review chapters: Chapter 1-13</p>	<p>Chapter 14: Reproduction in Plant Chapter 15: Reproduction in humans Chapter 16: Chromosomes, genes and protein Chapter 17: Variation and selection Chapter 18: Organisms and the environment Chapter 19: Human influences on ecosystem Chapter 20: Biotechnology and genetic engineering Review chapters: Chapter 1-13</p>

ACCOUNTING	Accounts of club and societies-18 Correction of errors-15 Limited company accounts-21 Analysis & Interpretation-22	Accounts of club and societies-18 Correction of errors-15 Limited company accounts-21 Analysis & Interpretation-22
BUSINESS STUDIES	Chapter 19: Business finance: needs and sources Chapter 20: Cash-flow forecasting and working capital Chapter 21: Income statements Chapter 22: statement of financial position Chapter 23: Analysis of accounts Chapter 24: Economic issues Chapter 25: Environmental and ethical issues Chapter 26: Business and the international economy	Chapter 19: Business finance: needs and sources Chapter 20: Cash-flow forecasting and working capital Chapter 21: Income statements Chapter 22: statement of financial position Chapter 23: Analysis of accounts Chapter 24: Economic issues Chapter 25: Environmental and ethical issues Chapter 26: Business and the international economy
COMMERCE	Chapter 31: Transportations Chapter 32: Containerisation Chapter 33: International Transport – Ports and Airports Chapter 34: Transport Documents Chapter 35: Developments and Trends in Transportation Chapter 36: Warehousing Chapter 37: Types of Warehouse Chapter 38: Insurance Chapter 39: Business and Personal Risks Chapter 40: Insurance Principles Chapter 41: Effecting Insurance Cover Chapter 42: Statistical Basis of Insurance Chapter 43: Effecting a Claim	Chapter 31: Transportations Chapter 32: Containerisation Chapter 33: International Transport – Ports and Airports Chapter 34: Transport Documents Chapter 35: Developments and Trends in Transportation Chapter 36: Warehousing Chapter 37: Types of Warehouse Chapter 38: Insurance Chapter 39: Business and Personal Risks Chapter 40: Insurance Principles Chapter 41: Effecting Insurance Cover Chapter 42: Statistical Basis of Insurance Chapter 43: Effecting a Claim

ECONOMICS	Chapter 1 to 37	Chapter 1 to chapter 27 Chapter 28 Supply-side policies Chapter 29 Economic growth Chapter 30 Employment and unemployment Chapter 31 Inflation and deflation Chapter 32 Living standards Chapter 33 Poverty Chapter 34 Population Chapter 35 Differences in economic development between countries Chapter 36 International specialisation Chapter 37 Free trade and protection Chapter 38 Foreign exchange rates Chapter 39 Current account of balance of payments
COMPUTER SCIENCE	Paper 1: Chapter 1: Data Representation Chapter 2: Data Transmission Chapter 3: Hardware Chapter 5: The Internet and its Uses Chapter 6: Automated and Emerging Technologies Paper 2: Chapter 7: Algorithm Design and Problem-Solving Chapter 8: Programming Chapter 9: Databases Chapter 10: Boolean Logic	Paper 1: Chapter 1: Data Representation Chapter 2: Data Transmission Chapter 3: Hardware Chapter 4: Software Chapter 5: The Internet and its Uses Chapter 6: Automated and Emerging Technologies Paper 2: Chapter 7: Algorithm Design and Problem-Solving Chapter 8: Programming Chapter 9: Databases Chapter 10: Boolean Logic

<p>ENVIRONMENT MANAGEMENT</p>	<p>Chapter: 7 The atmosphere and human activities Chapter: 8 THuman population Chapter: 9 Natural ecosystems and human activity</p>	<p>Chapter: 7 The atmosphere and human activities 7.1 The structure and composition of the atmosphere 7.2 Global climate change 7.3 Ozone depletion 7.4 The causes, impacts and management of smog 7.5 The causes, impacts and management of acid rain 7.6 A review of atmospheric pollution</p> <p>Chapter: 8 THuman population 8.1 Changes in population size 8.2 Human population distribution and density 8.3 Population structure 8.4 Managing human populations</p> <p>Chapter: 9 Natural ecosystems and human activity 9.1 The ecosystem 9.2 Estimating biodiversity in ecosystems 9.3 The causes and impacts of habitat loss 9.4 The causes and impacts of deforestation 9.5 The need for the sustainable management of nature 9.6 Strategies for conserving the biodiversity and genetic resources of natural ecosystems</p>
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<p>FRENCH</p>	<p>Unit 9: Au travail ! le choix d'un futur metier, le stage en entreprise, un job d'ete, un premier emploi a l'etranger. Strategies: adapter un texte, rediger une lettre.</p> <p>Grammaire: les verbes- bilan sur les modes et les temps, le plus-que-parfait, l'infinitif passe, le subjonctif apres certaines expressions, le conditionnel passe. Enquete- le metiet Ideal. Le blog de Joseph.</p> <p>Vie Pratique. Le Babillard. Le parfait linguiste. Unit 10: A l'ecoute du monde. la langue dans la poche. Le Babillard. Enquete: l'ordi dans nos vies. Gros plan sur les reseaux sociaux. Vie pratique. le francais a la loupe. Le parfait linguiste.</p> <p>Revisez bien. Comminiquer: - les usages du portable, l'informatique a l'ecole, regard critique sur l'information, les dangers d'internet, la netiquette, communiquer au travail. Grammaire: l'accord du participe passe avec le complement d'objet direct, les pronoms relatifs apres une preposition, bilan sur les pronoms personnels et relatifs.</p> <p>Exercises on reading comprehension, French grammar, writing exercises, French verbs and vocabulary, Speaking and listening practice.</p>	<p>Unit 9: Au travail ! le choix d'un futur metier, le stage en entreprise, un job d'ete, un premier emploi a l'etranger. Strategies: adapter un texte, rediger une lettre. Grammaire: les verbes- bilan sur les modes et les temps, le plus-que-parfait, l'infinitif passe, le subjonctif apres certaines expressions, le conditionnel passe. Enquete- le metiet Ideal. Le blog de Joseph. Vie Pratique. Le Babillard. Le parfait linguiste. Unit 10: A l'ecoute du monde. la langue dans la poche. Le Babillard. Enquete: l'ordi dans nos vies. Gros plan sur les reseaux sociaux. Vie pratique. le francais a la loupe. Le parfait linguiste. Revisez bien. Comminiquer: - les usages du portable, l'informatique a l'ecole, regard critique sur l'information, les dangers d'internet, la netiquette, communiquer au travail. Grammaire: l'accord du participe passe avec le complement d'objet direct, les pronoms relatifs apres une preposition, bilan sur les pronoms personnels et relatifs. Strategies: comprendre les abreviations, se servir d'un dictionnaire bilingue. Unit 11: En voyag. Les voyages- recit de voyage, l'importance des voyages, l'hebergement en voyage, accidents de la route. Grammaire: adjectifs et pronoms indefinis, la duree, la voix passive, le passe compose, bilan sur les connecteurs, Strategies: preparer et donner une courte presentation, parler avec plus d'assurance. La langue dans la poche. Le blog de Nina. le Babillard, Vie pratique. Vie pratique-les dangers de la route.Le francais a la loupe. Le parfait linguiste.</p>
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<p>BANGLADESH STUDIES</p>	<p>Paper: 1 1.Topic 1 Political mobilization and the events leading to independence 2. Topic 2 Post-independence Bangladesh, 1971–2001(upto Ziaur Rahman) Paper: 2 Topic: Health care delivery system Health care delivery systems ,Who delivers heath care? The public sector: upazila health complex and district hospitals, Involvement of NGOs in health service delivery, Role of the private sector in health , Control of diarrhoeal diseases (CDD), Malaria control programme (MCP), Expanded immunisation programme (EIP) Topic: Provision and delivery of education in Bangladesh Primary education , Role of NGOs , Secondary education , Tertiary education Skills development and technical training Topic: The quaternary sector What is quaternary sector? Examples of quaternary sector and economic importance</p>	<p>Paper: 1 1.Topic 1 Political mobilization and the events leading to independence 2. Topic 2 Post-independence Bangladesh, 1971–2001 Paper: 2 Topic: Health care delivery system Health care delivery systems ,Who delivers heath care? The public sector: upazila health complex and district hospitals, Involvement of NGOs in health service delivery, Role of the private sector in health , Control of diarrhoeal diseases (CDD), Malaria control programme (MCP), Expanded immunisation programme (EIP) Topic: Provision and delivery of education in Bangladesh Primary education , Role of NGOs , Secondary education , Tertiary education Skills development and technical training Topic: The quaternary sector What is quaternary sector? Examples of quaternary sector and economic importance . Topic: Economic Growth and trade Topic: Food production and the environment Topic: Food security Topic: The impact of the growth of manufacturing industry on People and Environment Topic: Transport</p>
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