

DPS STS SCHOOL DHAKA
SESSION 2023-24
GRADE 10
SCREENING EXAM SYLLABUS

SUBJECT	TERM 1
	JULY TO DECEMBER
ENGLISH	1. Unseen Comprehension, 2. Summary Writing, 3 .Writer's Choice [Short and Long], 4 .Response Writing- Letters, Journal 5 .Speeches, 6 .Articles, 7. Interviews & official report 8. Persuasive / Evaluative Speech, 9. Persuasive/Evaluative Article and Letters, 10 .Composition [Narrative and Descriptive]
BANGLA	1. Paper 1-90, Sec-A: Letter, Report, Dialogue, Speech Sec-B: Essay 2. Paper 2-110 Sec-A: Separation and Combination of words, Idioms/Proverbs/Words in pairs, Sentence Transformation, Cloze Passage Sec-B :M C.Q Comprehension Sec-C:OE Comprehension, Vocabulary
GENERAL MATHS	Chapter 17: Managing Money, Chapter 19: Symmetry, Chapter 21: Ratio, Rate and Proportion, Chapter 23: Transformation and Vector Chapter 24: Probability using tree diagrams and Venn diagrams. And revision of the Entire Board Syllabus
ADDITIONAL MATHS	Ch 2 Simultaneous Eq and Quadratics Ch3 Indices and Surds Ch 4 Factors and Polynomials Ch 5 Equations, Inequalities and Graphs Ch 6 Logarithmic and Exponential Function Ch 7 Straight Line Graphs Ch 8 Circular Measure Ch 9 Trigonometry Ch 10 Permutation and Combination Ch 11 Series Ch 12 Differentiation 1 Ch 14 Differentiation 2 Ch 15 Integration Ch 16 Kinematics

CHEMISTRY	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 reactions, 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 and petrochemicals, Unit 19: Some homologous series of organic compounds, Unit 20: Polymers
PHYSICS	<p>4.5 Electromagnetic Induction 5. Nuclear physics 5.1 The nuclear model of the atom 5.2 Radioactivity 6. Space physics 6.1 Earth and the Solar System 6.2 Stars and the Universe</p> <p>Revision Topics: 1 Motion, forces and energy 1.1 Physical quantities and measurement techniques 1.2 Motion 1.3 Mass and weight 1.4 Density 1.5 Forces 1.6 Momentum 1.7 Energy, work and power 1.8 Pressure 2 Thermal physics 2.1 Kinetic particle model of matter 2.2 Thermal properties and temperature 2.3 Transfer of thermal energy 3 Waves 3.1 General properties of waves 3.2 Light 3.3 Electromagnetic spectrum 3.4 Sound 4 Electricity and magnetism 4.2 Electrical quantities 4.3 Electrical Circuits 4.4 Electromagnetic Forces</p>
BIOLOGY	<p>Chapter 14: Reproduction in Plants (14.1 Sexual and asexual reproduction; 14.2 Sexual reproduction in flowering plants; 14.3 Advantages and disadvantages of different methods of reproduction) Chapter 15: Reproduction in humans (15.1 The human reproductive systems; 15.2 Sexually transmitted infections), Chapter 18: Organisms and their environment (18.1 Energy flow and food webs; 18.2 Nutrient cycles; 18.3 Population), Chapter 19: Human influences on the ecosystem (19.1 Human pressures on ecosystem; 19.2 Conservation) Revision Chapters 1: Characteristics and classification, Chapter 2: Cells, Chapter 3: Movement into and out of cell, Chapter 4: Biological molecules, Chapter 5: Enzymes, Chapter 6: Plant nutrition, Chapter 7: Animal nutrition, Chapter 8: Transport in plants, Chapter 9: Transport in animals, Chapter 10: Diseases and immunity, Chapter 11: Respiration and gas exchange Chapter 12: Coordination and response Chapter 13: Excretion Chapter 16: Chromosomes, genes and protein Chapter 17: Variation and selection Chapter 20: Biotechnology</p>
ACCOUNTING	<p>Accounts of club and societies-18 Limited company accounts-21 Analysis & Interpretation-22</p> <p>Revision of full IGCSE syllabus.</p>

BUSINESS STUDIES	<p>1. Chapter 16: Costs, scale of production and break-even analysis-4.2.1 Identify and classify costs, 4.2.2 Economies and diseconomies of scale, 4.2.3 Break-even analysis.</p> <p>2. Chapter 23: Analysis of accounts-5.5.1 Profitability, 5.5.2 Liquidity, 5.5.3 How to interpret the financial performance of a business by calculating and analysing profitability ratios and liquidity ratios, 5.5.4 Why and how accounts are used,</p> <p>3. Chapter-24: Economic issues-6.1.1 Business cycle, 6.1.2 How government control over the economy affects business activity and how businesses may respond.</p> <p>4. Chapter 25: 6.2.1 Environmental and ethical issues-6.2.1 Environmental concerns and ethical issues as both opportunities and constraints for businesses</p> <p>5. Chapter 26: Business and the international economy-6.3.1 The importance of globalisation, 6.3.2 Reasons for the importance and growth of multinational companies (MNCs), 6.3.3 The impact of exchange rate changes,</p> <p>REVISION WORKS OF UNIT 1, UNIT 2, UNIT 3, UNIT 4, UNIT 5 & UNIT 6</p>
ECONOMICS	Chapter 1 to Chapter 39
ICT	<p>Chapter 1: Types and components of computer systems</p> <p>Chapter 2: Input and devices</p> <p>Chapter 3: Storage</p> <p>Chapter 4: Computer Networks</p> <p>Chapter 5: The effects of using IT</p> <p>Chapter 6: ICT Applications</p> <p>Chapter 7: System Life Cycle</p> <p>Chapter 8: Safety and Security</p> <p>Chapter 10: Communication Topics:</p> <p>Practical Exam: Chapter 11 - 21</p>
ENVIRONMENT MANAGEMENT	<p>2 Energy and the environment</p> <p>5 Oceans and fisheries</p> <p>Revision Chapters</p> <p>1 Rocks and minerals and their exploitation</p> <p>3 Agriculture and the environment</p> <p>4 Water and its management</p> <p>6 Managing natural hazards</p> <p>7 The atmosphere and human activities</p> <p>8 Human population</p> <p>9 Natural Ecosystem and Human Activity</p>
French	<p>Unité7: Bonjour de Francophone,</p> <p>Unité8: L'école et après,</p> <p>Unité9: Au travail</p> <p>Unité 10: A l'écoute de monde,</p> <p>Unité 11: En voyage</p>

Bangladesh Studies	<p>Paper: 1 Chapter :1(a, b) Chapter :2(a, b, c, d) Chapter :3(a, b, c) Chapter :5(a, b, c)</p> <p>Paper: 2 Chapter :1 (a, b) Chapter :4(a, b, c, d, e, f, g) Chapter: 5 (a, b, c, d, e) Chapter: 6 (a, b, c, d) Chapter: 7 (a, b) Chapter :8(a, b, c) Chapter :9(a, b, c) Chapter :10(a, b)</p>
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