

DPS STS SCHOOL DHAKA
SESSION 2023-24
GRADE 12
SCREENING EXAM SYLLABUS

SUBJECT	TERM 1
	JULY TO DECEMBER
ENGLISH	1. Child Language Acquisition, 2. English in the World
PURE MATHS	Chapter 1 - Algebra (The modulus functions, polynomials) Chapter 2 Logarithms and Exponential Functions Chapter 3 Trigonometry Chapter 4 Differentiation Chapter 5 Integration
MECHANICS	1. Velocity and acceleration 2. Force and motion in one dimension 3. Forces in two dimensions 4. Frictions 5. Connected particles till Ex 5A only
PROBABILITY & STATISTICS 2	1. Hypothesis Testing using Binomial 2. The Poisson distribution 3. Linear combinations of random variables 4. Continuous random variables
CHEMISTRY	Chapter 19 : Lattice Energy, Chapter 20: Electrochemistry, Chapter 21: Further aspects of equilibria, Chapter 22: Reaction Kinetics, Chapter 23: Entropy and Gibbs Free Energy, Chapter 24: Transition Elements, Chapter-25: Benzene & its compounds.
PHYSICS	1 Motion in a circle 2 Gravitational fields 3 Temperature 4 Ideal gases 5 Thermodynamics 6 Oscillations 7 Electric fields 8 Capacitance
BIOLOGY	Chapter 12: Energy and Respiration Chapter 13: Photosynthesis Chapter 14: Homeostasis Chapter 15: Control and Coordination Chapter 16: Inheritance :Selected topics 16.1:gametes and reproduction,16.2:the production of genetic variation,16.3: genetics,16.4: monohybrid inheritance and genetic diagram,16.5:diybrid inheritance

ACCOUNTING	<p>18 Partnership changes 20 Manufacturing accounts, 21 Not-for-profit organisations (clubs and societies), 22 Published company accounts 23 Statements of cash flows 32 Budgeting and budgetary control 33 Standard costing</p>
BUSINESS STUDIES	<p>Unit-1: Business and its environment: External influences on business activity, External economic influences on business activity, Business Strategy, Corporate planning and implementation. UNIT-2 : ORganisational structure, Business communication, Leadership, Human Resource Management strategy, UNIT-3: Marketing analysis, Marketing strategy</p>
ECONOMICS	<p>30 Utility 31 Indifference curves and budget lines 32 Efficiency and market failure 33 Private costs and benefits, externalities and social costs and benefits 34 Types of cost, revenue and profit, short-run and longrun production 35 Different market structures 36 Growth and survival of firms 37 Differing objectives and policies of firms 38 Government policies to achieve efficient resource allocation and correct market failure 39 Equity and redistribution of income and wealth 40 Labour market forces and government intervention 41 The circular flow of income 42 Economic growth and sustainability 43 Employment and unemployment 44 Money and banking 45 Government macroeconomic policy objectives 46 Links between macroeconomic problems and their interrelatedness 47 Effectiveness of policy options to meet all macroeconomic objectives 48 Policies to correct disequilibrium in the balance of payments 49 Exchange rate</p>
COMPUTER SCIENCE	<p>Chapter 13 : Data Representation Chapter 14 : Communication and internet technologies Chapter:15 Hardware Chapter:19 : Computational Thinking & Problem Solving Chapter:20 Further Programming(OOP Only)</p>
LAW	<p>Paper 3: Chapters 23 to 27, Paper 4: Chapters 43 to 46</p>
PSYCHOLOGY	<p>Chapter 6: Clinical Psychology (schizophrenia, mood disorders, impulse control disorders, anxiety disorders and fear related disorders, OCD); Chapter 9: Organizational Psychology (Motivation to work)</p>
IT	<p>Paper 3 Chapter 12: IT in society Chapter 13: New and emerging technologies Chapter 14: Communications Technolgy Paper 4 Chapter 17: Mail Merge Chapter 18: Graphics creation Chapter 19: Animation Chapter 20: Programming for Web</p>