

DPS STS SCHOOL DHAKA
SESSION 2023-24
GRADE 11
SCREENING EXAM SYLLABUS

SUBJECT	TERM 1
	JULY TO DECEMBER
ENGLISH	<ol style="list-style-type: none"> 1. Text Analysis, 2. Directed Writing- Letters, Reports, Speeches, Leaflets, 3. Comparison of texts, 4. Reflective Commentary
PURE MATHS	<ol style="list-style-type: none"> 1. Quadratics 2. Functions 3. Coordinate Geometry 4. Circular measure 6. Series
PROBABILITY & STATISTICS 1	<ol style="list-style-type: none"> 1. Representation of data 2. Measures of central tendency 3. Measures of variation. 4. Probability 5. Permutations and combinations
CHEMISTRY	Chapter 1 Atomic structure Chapter 2 Electrons in atoms Chapter 3 Atoms, molecules and stoichiometry Chapter 4 Chemical bonding Chapter 5 States of matter Chapter 6 Enthalpy changes Chapter 7 Redox reactions Chapter 8 Equilibria Chapter 9 Rates of reaction Chapter 10 Periodicity Chapter 11 Group 2 Chapter 12 Group 17 Chapter 13 Nitrogen
PHYSICS	<ol style="list-style-type: none"> 1. Physical quantities and units, 2. Kinematics 3. Dynamics, 4. Forces, density and pressure, 5. Work, Energy and Power, 6. Deformation of Solids,
BIOLOGY	<ol style="list-style-type: none"> 1. Cell structure 2. Biological molecules 3. Enzymes 4. Cell membranes and transport 5. The mitotic cell cycle. 6. Nucleic acids and protein synthesis : Selected topics : a) Describe the structure of nucleic acids (DNA and RNA). b) Describe semi-conservative replication.

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<p>ACCOUNTING</p>	<ol style="list-style-type: none"> 1. Irrecoverable and doubtful debts-12, 2. Provision for Depreciation-11, 3. Control a/c-14, 4. Incomplete records-16, 5. Costing for material and labour-28, 6. Absorption costing, Unit, job and batch costing-29, 7. Marginal costing -30,, 8. Bank reconciliation Statement-13 , 9. Accruals & Prepayments-10 10. Partnership business -17, 11. Limited company-19,
<p>BUSINESS STUDIES</p>	<p>Unit 1: Business and environment Chapter 1-Enterprise Chapter 2-Business Structure Chapter 3-Size of business Chapter 4-Business objectives Chapter 5-Stakeholders in business</p> <p>Unit 2: Human resource management Chapter 10-Human Resource Management Chapter 11-Motivation Chapter 12-Management</p> <p>Unit 3: Marketing Chapter 17-The nature of marketing Chapter 18-Market research Chapter 19-The marketing mix-product and price</p>
<p>ECONOMICS</p>	<ol style="list-style-type: none"> 1 Scarcity, choice and opportunity cost 2 Economic methodology 3 Factors of production 4 Resource allocation in different economic systems 5 Production possibility curves 6 Classification of goods and services 7 Demand and supply curves 8 Price elasticity, income elasticity and cross elasticity of demand 9 Price elasticity of supply 10 The interaction of demand and supply 11 Consumer and producer surplus 12 Reasons for government intervention in markets 13 Methods and effects of government intervention in markets 14 Addressing income and wealth inequality 15 National income statistics 16 Introduction to the circular flow of income 17 Aggregate demand and aggregate supply analysis 18 Economic growth 19 Unemployment 20 Price stability 21 Government macroeconomic policy objectives 22 Fiscal policy 23 Monetary policy 24 Supply-side policy

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COMPUTER SCIENCE	Paper 1 Chapter 1 : Information representation Chapter 2 : Communication Chapter 3 : Hardware Chapter 4 : Logic gates and logic circuits Chapter 5 : Processor Fundamentals Paper 2 Chapter 12 : Algorithm Design and Problem-Solving Chapter 13 : Data Types and Structures Chapter 14 : Programming and data representation
LAW	Paper 1: Chapters 1 to 5 Paper 2: Chapters 13 to 14
PSYCHOLOGY	Chapter 1: Research Methods (aim & hypothesis, variables, correlations, sampling, experiments, self-reports, observations, case studies, longitudinal studies, data analysis, ethics); Chapter 2: The Biological Approach (sleep & dream, monkey toy preferences, mindfulness and brain scans); Chapter 3: Cognitive Approach (doodling, eyes test, line-ups); Chapter 4: Behavioral Approach (Bandura et al)