

## SYLLABUS FOR ENTRY TEST IG-II

DAY 1	
<p><b>ENGLISH</b></p> <ul style="list-style-type: none"> <li>• Comprehension Passage (Unseen).</li> <li>• Creative writing.</li> </ul>	<p><b>URDU</b></p> <ul style="list-style-type: none"> <li>• Comprehension Passage (Unseen).</li> <li>• Creative writing.</li> </ul>
<p><b>MATHEMATICS</b></p> <ul style="list-style-type: none"> <li>• Expansion of brackets</li> <li>• Algebraic identities</li> <li>• Factorization</li> <li>• Making the subject of the formula</li> <li>• Algebraic manipulation</li> <li>• Linear equations</li> <li>• Quadratic formula</li> <li>• Substitution</li> <li>• Simultaneous equations</li> <li>• Indices</li> <li>• Surds</li> <li>• Standard form</li> <li>• Everyday Mathematics (Average speed, ratio, proportion, percentage, time, profit &amp; loss, simple &amp; compound interest)</li> <li>• Numbers (HCF &amp; LCM, ordering of fractions, rational &amp; irrational numbers, square and cube roots)</li> </ul>	<p><b>ISLAMIAT</b></p> <ul style="list-style-type: none"> <li>• <b>Surahs</b> <ol style="list-style-type: none"> <li>1. Surah Fateha.</li> <li>2. Surah Ikhlas.</li> <li>3. Surah Kausar.</li> <li>4. Surah Number 99.</li> <li>5. Ayat –ul-Kursi.</li> </ol> </li> <li>• Life of Prophet (S.A.W) at Makkah.</li> <li>• Compilation of Holy Quran.</li> <li>• Revelations between 610 and 632.</li> <li>• Hazrat Abu Bakr (R.A).</li> <li>• Tauhid.</li> <li>• Belief in Angels.</li> <li>• Belief in Books.</li> <li>• Prayers and Ahadith (1- 5)</li> </ul>
DAY 2	
<p><b>PHYSICS</b></p> <ul style="list-style-type: none"> <li>• Physical Quantities, Units and Measurements</li> <li>• Kinematics</li> <li>• Dynamics</li> <li>• Mass, weight &amp; density</li> <li>• Turning Effect of forces</li> <li>• Deformation</li> </ul>	<p><b>CHEMISTRY</b></p> <ul style="list-style-type: none"> <li>• Atomic Structure</li> <li>• Bonding</li> <li>• The Periodic Table</li> <li>• Separation Techniques</li> <li>• Formulae and Balancing Equations</li> </ul>
<p><b>BIOLOGY</b></p> <ul style="list-style-type: none"> <li>• Cell</li> <li>• Diffusion, Osmosis and Active Transport</li> <li>• Enzymes</li> <li>• Nutrition – Food Groups, Food Test</li> <li>• Nutrition in Plants</li> <li>• Nutrition in Humans</li> </ul>	<p><b>ACCOUNTING</b></p> <ul style="list-style-type: none"> <li>• Role of accounting</li> <li>• The Double Entry system of book-keeping</li> <li>• Documentary records</li> <li>• Books of prime entry</li> <li>• The Cash Book</li> <li>• The General Journal</li> <li>• The Ledger</li> <li>• The Trial Balance</li> </ul>

<p><b>COMPUTER SCIENCE &amp; COMMUNICATION TECHNOLOGY</b></p> <ul style="list-style-type: none"> <li>• Input and Output devices</li> <li>• Storage devices &amp; Media</li> <li>• Operating Systems</li> <li>• Components of a Computer System.</li> <li>• Networks and Effects of using them.</li> </ul>	<p><b>BUSINESS STUDIES</b></p> <ul style="list-style-type: none"> <li>• Purpose and types of business activity</li> <li>• Enterprise, business growth and size</li> <li>• Types of business organizations</li> <li>• Business objectives and stakeholder's objectives</li> <li>• Motivating workers</li> <li>• Organization and management</li> <li>• Recruitment, selection and training</li> <li>• Internal and external communication</li> </ul>
<p><b>PAKISTAN STUDIES</b> <b>HISTORY</b> <b>Section I</b></p> <ul style="list-style-type: none"> <li>• Mughal decline</li> <li>• British rule</li> <li>• Reformers</li> <li>• War of Independence</li> <li>• Sir Syed Ahmed Khan</li> <li>• Languages</li> </ul> <p><b>Section II</b></p> <ul style="list-style-type: none"> <li>• 1905 – 1947</li> </ul> <p>From partition of Bengal to Govt. of India Act 1935</p> <p><b>GEOGRAPHY</b> <b>Introduction to Pakistan</b></p> <ul style="list-style-type: none"> <li>• Topography</li> <li>• Climate</li> <li>• Water Resources</li> <li>• Forest</li> <li>• Fishing</li> <li>• Agriculture</li> </ul>	<p><b>ECONOMICS</b> <b>Economics O Levels Book by Brian Titley</b></p> <p><b>Section 3 (continued)</b></p> <ul style="list-style-type: none"> <li>• Firms</li> <li>• Firms and production</li> <li>• Firms, costs, revenue and objectives</li> <li>• Types of market</li> </ul> <p><b>Section 4</b></p> <ul style="list-style-type: none"> <li>• The macroeconomic aims of government</li> <li>• Fiscal policy</li> <li>• Monetary policy</li> <li>• Supply-side policies</li> <li>• Economic growth</li> <li>• Employment and unemployment</li> <li>• Inflation and deflation</li> </ul>

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