

## Symbiosis Entrance Test Syllabus - Check SET Exam Syllabus

### SET Exam Syllabus for General

Subjects	Topics To Be Covered
General English	<ul style="list-style-type: none"> <li>• Synonyms</li> <li>• Antonyms</li> <li>• Error Spotting</li> <li>• Fill in the blanks</li> <li>• Analogy</li> <li>• Grammar – Prepositions, Articles</li> <li>• Contextual Vocabulary</li> </ul>
Quantitative	<ul style="list-style-type: none"> <li>• Percentage</li> <li>• Profit &amp; Loss</li> <li>• Discount</li> <li>• Time, Speed &amp; Distance</li> <li>• Time &amp; Work</li> <li>• Algebra</li> <li>• Number System</li> <li>• Permutation &amp; Combination</li> <li>• Probability</li> </ul>
General Awareness	<ul style="list-style-type: none"> <li>• Companies and founders</li> <li>• Sports</li> <li>• Awards</li> <li>• Books and authors</li> <li>• Science</li> </ul>
Analytical & Logical Reasoning	<ul style="list-style-type: none"> <li>• Arrangement – Seating/Circular</li> <li>• Blood Relationship</li> <li>• Series</li> <li>• Coding-Decoding</li> <li>• Cubes</li> <li>• Assumption</li> <li>• Syllogisms</li> <li>• Venn Diagram</li> </ul>

**SET Exam Syllabus for Law**

<b>Subjects</b>	<b>Topics To Be Covered</b>
Logical and Analytical Reasoning	<ul style="list-style-type: none"> <li>• Arrangement – Seating/Circular</li> <li>• Blood Relationship</li> <li>• Series</li> <li>• Coding-Decoding</li> <li>• Cubes</li> <li>• Assumption</li> <li>• Syllogisms</li>   <li>• Venn Diagram</li> </ul>
Legal Reasoning	<ul style="list-style-type: none"> <li>• Extracting findings of fact from cases, and the supporting reasoning based on the rules, policies and evidence</li> <li>• Identifying arguments in cases, including policy-based reasoning and evidence-based reasoning, and reasoning about the legal sufficiency of admitted evidence; and</li>   <li>• Using basic linguistic technology in legal practice.</li> </ul>
Reading Comprehension	<ul style="list-style-type: none"> <li>• Synonyms</li> <li>• Antonyms</li> <li>• Error Spotting</li> <li>• Fill in the blanks</li> <li>• Analogy</li> <li>• Grammar – Prepositions, Articles</li>   <li>• Contextual Vocabulary</li> </ul>
General Knowledge	<ul style="list-style-type: none"> <li>• Companies and founders</li> <li>• Sports</li> <li>• Awards</li> <li>• Books and authors</li>   <li>• Science</li> </ul>

### SET Exam Syllabus for Design

<b>Subjects</b>	<b>Topics To Be Covered</b>
Visualization	Understanding and visualization of simple and complex 2D & 3D geometric shapes, their manipulations and spatial relationships through representations in pictorial and geometric forms
Observational, Perceptual and Reasoning abilities	Ability to read and see objects and information beyond obvious details, make connections, make comparisons, form opinions, draw meanings & conclusions. Analyze your observations, express your point of view and present in a systematic and structured manner.
Creative and Problem Solving abilities	Ability to visualize and relate images around us. Ability to identify a problem and attempt to provide solutions
Application of Basic knowledge of Science and Mathematics	Observing applications of basic principles of science and mathematics learned up to standard 10th in the day-to-day activities & objects and finding the interesting relevance.
Art, Craft, Culture, Design and Environment:	General awareness of Art, Craft, Culture, Design and Environment in Indian as well as in Global context – Various topics and sub-topics, people, material, tools, techniques, issues & concerns, influences, period, and contemporary trends.

### SET Exam Syllabus for Engineering & Health Sciences

Subjects	Topics To Be Covered
Physics	<ul style="list-style-type: none"> <li>• Electrostatics</li> <li>• Current Electricity</li> <li>• Magnetic Effect of Current &amp; Magnetism: Moving Charges and Magnetism, Magnetism and Matter</li> <li>• Electromagnetic Induction &amp; Alternating Current: Electromagnetic Induction, Alternating Current</li> <li>• Electromagnetic Waves: Electromagnetic Waves</li> <li>• Optics: Ray Optics and Optical Instruments, Wave Optics</li> <li>• Dual Nature of Matter: Dual Nature of Radiation and Matter</li> <li>• Atoms &amp; Nuclei</li> <li>• Electronic Devices: Semiconductor Electronics</li> </ul>
Chemistry	<ul style="list-style-type: none"> <li>• Solid State: Classification of solids based on different binding forces</li> <li>• Solutions: Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties</li> <li>• Electrochemistry: Redox reactions, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration</li> <li>• Chemical Kinetics: Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst</li> <li>• Surface Chemistry: Adsorption</li> <li>• General Principles and Processes of Isolation of Elements</li> <li>• p – Block Elements: Group 15 Elements, Group 16 Elements, Group 17 Elements, Group 18 Elements</li> <li>• d and f Block Elements: Lanthanoids, Actinoids</li> <li>• Coordination Compounds</li> <li>• Haloalkanes and Haloarenes</li> <li>• Alcohols, Phenols and Ethers</li> <li>• Aldehydes, Ketones and Carboxylic Acids</li> <li>• Organic compounds containing Nitrogen</li> <li>• Biomolecules: Carbohydrates, Proteins, Vitamins, Nucleic Acids</li> <li>• Polymers: Classification – natural and synthetic, methods of polymerization</li> </ul> <p style="margin-top: 10px;">• Chemistry in Everyday life: Chemicals in medicines, Chemicals in food, Cleansing agents</p>
Mathematics	<ul style="list-style-type: none"> <li>• Relations and Functions: Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of a function. Binary operations. Definition, range, domain, principal value branch. Graphs of inverse trigonometric</li> </ul>

	<p>functions. Elementary properties of inverse trigonometric functions</p> <ul style="list-style-type: none"> <li>• Algebra: Matrices, Determinants</li> <li>• Calculus: Continuity and Differentiability, Applications of Derivatives, Integrals, Applications of the Integrals, Differential Equations</li> <li>• Vectors and Three-Dimensional Geometry: Vectors, Three – dimensional Geometry</li> <li>• Linear Programming</li> </ul>
Biology	<ul style="list-style-type: none"> <li>• Probability</li> <li>• Reproduction: Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Human Reproduction, Reproductive Health</li> <li>• Genetics and Evolution: Principles of Inheritance and Variation, Molecular Basis of Inheritance, Evolution</li> <li>• Biology and Human Welfare: Human Health and Diseases, Strategies for Enhancement in Food Production, Microbes in Human Welfare.</li> <li>• Biotechnology and its Applications: Biotechnology – Principles and Processes, Biotechnology and its Application</li> <li>• Ecology and Environment: Organisms and Populations, Ecosystem, Biodiversity and its Conservation, Environmental Issues</li> </ul>