



# Sir Padampat Singhana Education Centre

Kamla Nagar Kanpur

## Syllabus for August Subjective type Test (2020-2021) Class - 11

<p><b>English:</b></p> <p><b>Section A:</b> Reading :Reading Comprehension  <b>Section B:</b> Writing &amp; Grammar            Writing:            Letter of Complaint and Letter of Placing Order            Grammar: Tenses and Determiners  <b>Section C:</b> Literature            HORNBILL: 1. Poem: The Voice of the Rain 2. Chp: We're Not Afraid to Die.... 3. Chp: The Ailing Planet: 'The Green Movement's Role' 4. Poem: Childhood            SNAPSHOT :1. Chp: Ranga's Marriage 2. Chp: The Address</p>	<p><b>Biotechnology:</b></p> <p><b>A - BIOMOLECULES</b>            1. Nucleic acid, 2. Polynucleotide chain, 3. Types of RNA  <b>B - BASIC PRINCIPLES OF INHERITANCE</b>            1. Mendels work, 2. Monohybrid cross,            3. Single gene inheritance, 4. Incomplete dominance,            5. Law of independent assortment  <b>C - BASIC PROCESSES</b>            1. DNA replication, 2. Maselson and Stahl experiment            3. Machinery of replication, 4. Mechanism of DNA replication in Bacteria, 5. Central dogma and reverse transcription,            6. Transcription, 7. RNA polymerase, 8. Genetic code  <b>D - CELLULAR ORGANELLES</b></p>
<p><b>Maths :</b></p> <ol style="list-style-type: none"> <li>Relations and Functions</li> <li>Trigonometric Functions</li> <li>Complex Numbers and Quadratic Equations</li> <li>Linear Inequalities</li> </ol>	<p><b>Chemistry :</b></p> <ol style="list-style-type: none"> <li>Some basic concepts of chemistry</li> <li>Atomic structure</li> <li>Periodic classification</li> <li>Chemical Bonding</li> </ol>
<p><b>Physics :</b></p> <ol style="list-style-type: none"> <li>Motion in one dimension</li> <li>Motion in two dimension</li> <li>Laws of motion</li> </ol>	<p><b>Informatics Practices :</b></p> <p>Introduction to Python , Elementary concepts of python            Operators and Expressions in python , Conditional statements in python ,Loops</p>
<p><b>Biology:</b></p> <ol style="list-style-type: none"> <li>Animal kingdom</li> <li>Digestion and absorption</li> <li>Breathing and exchange of gases</li> <li>Body fluids and circulation</li> <li>Excretory products</li> <li>Locomotion and movement</li> <li>Neural control and coordination</li> <li>Chemical coordination and integration</li> <li>Cell the unit of life</li> </ol>	<p><b>Fine Art:</b></p> <ol style="list-style-type: none"> <li>Art during Mauryan , Shunga, Kushana, and Gupta period</li> <li>Art of Ajanta</li> </ol>
<p><b>Accountancy :</b></p> <ol style="list-style-type: none"> <li>Accounting Equations</li> <li>Books of Original Entry - Journal</li> <li>Accounting for Goods and Service Tax</li> <li>Books of Original Entry – Cash Book</li> <li>Books of Original Entry – Special purpose Subsidiary books</li> </ol>	<p><b>Physical Education:</b></p> <p>Chapter 1 Changing trends and career in physical Education            Chapter 2 Olympic value education</p>
<p><b>Business Studies:</b></p> <ol style="list-style-type: none"> <li>Evolution and Fundamentals of Business</li> <li>Forms of Business Organisation</li> <li>Public, Private and Global Enterprises</li> <li>Business Services</li> <li>Emerging Modes of Business</li> </ol>	<p><b>Legal Studies:</b></p> <p>UNIT 1:            Chapter 4 Basic features of Constitution of India            Chapter 3 Separation of Powers</p>
<p><b>Economics :</b></p> <p><b>Part A: Statistics for Economics :-</b>            Chapter 1- Concept of Economics and Significance of statistics in Economics            Chapter 2- Collection of Data  <b>Part B: Introductory Microeconomics :-</b>            Chapter 5- Theory of Demand            Chapter 6- Price Elasticity of Demand            Chapter 11- Theory of Supply</p>	<p><b>Vocal Music:</b></p> <ol style="list-style-type: none"> <li>Alankar</li> <li>Definitions</li> <li>Description of Raag Jaunpuri and Raag bhimplasi</li> <li>Teen Taal and Keherwa Taal</li> <li>Biography of Tansen</li> </ol>
<p><b>History:</b></p> <ol style="list-style-type: none"> <li>Writing and City Life ,2. Empire Across Three Continents</li> <li>The Central Islamic Lands(till page 94)</li> </ol>	<p><b>Kathak Nritya:</b></p> <p>Introduction of Kathak, Theka of Teen Tal, Kaherwa Tal, Definitions, Story line of Panghat lila, Gobardhan lila, Kaliya Daman</p>
<p><b>Sociology:</b></p> <ol style="list-style-type: none"> <li>Sociology and Society 2. Terms, Concepts and their use in Sociology 3. Understanding Social Institutions, 4. Culture and Socialization</li> </ol>	<p><b>Entrepreneurship :</b></p> <p>Unit 1: Entrepreneurship: Concept and Functions            Unit 2: An Entrepreneur</p>
<p><b>Political Science :</b></p> <p>Book - Constitution at work            Chapters : Constitution (The concept), Constitution (Concept, Making &amp; Philosophy of the Constitution) ,Constitution (Rights in Indian Constitution), Legislature , Executive ,Judiciary</p>	