



THE  
**RADIANT**  
ACADEMY<sup>®</sup>



**Great Faculty**  
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## STAR (STUDENT TALENT ACADEMIC REWARD)

**CLASS : (XII)**

## **PHYSICS, CHEMISTRY & MATHEMATICS**

### TEST PATTERN

Time	Total No. of Questions	Subject/Question Segregation	Type	Total Marks : 180	
				Correct	Negative
120 Minutes	1-60	Physics (1-20) Chemistry (21-40) Mathematics (41-60)	Objective Question	3 Mark	1 Mark

### TEST SYLLABUS

<b>1. PHYSICS</b>	<ol style="list-style-type: none"><li>1. Electric Charges and Fields</li><li>2. Electric Potential and Capacitance</li><li>3. Current Electricity</li><li>4. Moving charges and Magnetism</li><li>5. Electromagnetic Induction</li><li>6. Alternating Current</li><li>7. Ray Optics</li><li>8. Wave Optics</li><li>9. Dual Nature of Radiation and Matter</li><li>10. Atoms</li><li>11. Nuclei</li></ol>
<b>2. CHEMISTRY</b>	<ol style="list-style-type: none"><li>1. Solution</li><li>2. Electrochemistry</li><li>3. Surface chemistry</li><li>4. Stereoisomerism</li><li>5. Haloalkanes and Haloarenes</li><li>6. Alcohols and ethers</li></ol>
<b>3. MATHEMATICS</b>	<ol style="list-style-type: none"><li>1. Relation and functions</li><li>2. Inverse trigonometry functions</li><li>3. Matrices</li><li>4. Determinants</li><li>5. Continuity and differentiability</li><li>6. Application of derivatives</li></ol>

### THE RADIANT ACADEMY

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