



ST. MARY'S SENIOR SECONDARY SCHOOL, RUDRAPUR
CLASS-XII SCIENCE (2026-27)
(CONSOLIDATE SYLLABUS OF HALF YEARLY EXAMINATION-2024-25)

SUBJECT	Chapters name
CHEMISTRY Mrs. Neetu Kohli	Part-1 1. <i>Solution</i> 2. <i>Electrochemistry</i> 3. <i>Chemical kinetics</i> 4. <i>d and f block elements</i> 5. <i>Co-ordination compounds</i> Part-2 6. <i>Haloalkanes and haloarenes</i> 7. <i>Alcohol, phenol and Ether</i>
PHYSICS Mr. Mohit Upadhyay	1. <i>Electric charges and field</i> 2. <i>Electrostatic potential and capacitance</i> 3. <i>Current electricity</i> 4. <i>Moving charges and magnetism</i> 5. <i>Magnetism and matter</i> 6. <i>Electromagnetic induction</i> 7. <i>Alternating current</i> 8. <i>Electromagnetic wave</i>
MATHS Mr. Sachin Pandey	1. <i>Relation and function</i> 2. <i>Inverse trigonometry function</i> 3. <i>Matrices and Determinants</i> 4. <i>Continuity and differentiability</i> 5. <i>Application of derivatives</i> 6. <i>indefinite Integrals</i> 7. <i>Linear programming</i>
BIOLOGY Mrs. Pratima Dixit	1- <i>Sexual Reproduction in flowering plants</i> 2- <i>Human Reproduction</i> 3 - <i>Reproductive health</i> 4- <i>Principle of inheritance and variation</i> 5- <i>Molecular basis of inheritance</i> 6- <i>Evolution</i> 7- <i>Human health and diseases</i>
PHYSICAL EDUCATION Mr. Himanshu Joshi	1. <i>Management in sports events</i> 2. <i>Children and women in sports</i> 3. <i>Yoga as preventive measures for life style diseases.</i>

	4. <i>Physical education and sports for CWSN</i> 5. <i>Sports and nutrition</i> 6. <i>Test and measurement in sports</i>
COMPUTER SCIENCE Mr. Prashant Kumar	1. <i>Python revision tour1</i> 2. <i>Python revision tour 2</i> 3. <i>Working with Function</i> 4. <i>Using function defined in modules</i> 5. <i>Exceptional handling</i> 6. <i>File handling, text binary and CSV files</i> 7. <i>Relational databases</i> 8. <i>Simple queries in SQL</i> 9. <i>Table creation and data manipulation commands</i>
INFORMATION TECHNOLOGY Mr. Bhawam Bhandari	<i>Part A</i> 1. <i>Communication skills- iv</i> 2. <i>Self-management skills- i</i> 3. <i>ICT skill</i> <i>Part B</i> 1. <i>Database concepts RDBMS tool</i> 2. <i>Operating web based applications</i> 3. <i>Java-Fundamentals of java programming introduction</i>
ENGLISH Mrs. Swati Rastogi	<i>Flamingo</i> 1. <i>The last lesson</i> 2. <i>Lost spring</i> 3. <i>Deep water</i> 4. <i>The rattrap</i> 5. <i>Indigo</i> <i>Vistas</i> 6. <i>The third level</i> 7. <i>The tiger king</i> 8. <i>The journey to the end of the earth</i> 9. <i>The enemy</i> <i>Poetry</i> 10. <i>My mother at sixty six</i> 11. <i>Keeping quiet</i> 12. <i>A thing of beauty</i> <i>Writing</i> <i>Notice writing</i>

	<i>Invitation and reply to invitation</i> <i>Letter to editor</i> <i>Job application</i> <i>Article writing</i>
PAINTING Mrs. Shailja Shrivastav	1. <i>Pahari school of art</i> 2. <i>Mughal painting school of art</i> 3. <i>Deccan school of art</i>
YOGA Mr. Suraj Latwal	1. <i>Unit 1- communication skills-III</i> 2. <i>Unit 2- self management skills -III</i> 3. <i>Unit 3- entrepreneurial skills</i> 4. <i>ICT skill</i> <i>Part-B</i> <i>Unit 1- introduction to yoga and yogic practice -I</i> <i>Unit 2 - introduction to yoga text-II</i>