

**CENTRAL ACADEMY SCHOOL**  
**CLASS-XII(MATHS/BIO) SYLLABUS 2024-2025**

| <i>Subjects</i>     | <i>Half Yearly Exams</i>   | <i>1<sup>st</sup> Pre Board</i>   | <i>2<sup>nd</sup> Pre Board</i> |
|---------------------|--|---|---------------------------------|
| <b>ENGLISH CORE</b> | Reading – Comprehension Passage<br>Writing – Notice & letter to the editor.<br>Literature – (Flamingo) 1,2,3, Poetry<br>P-1, 2<br>Vistas L-1, 2, 3.  | Reading – Comprehension Passage<br>Writing – Article, Report, Application<br>for Job, Invitation<br>Literature – (Flamingo) 4,5,6,7,8<br>Poetry -3,4,5<br>Vistas – 4,5,6<br><u>Full Syllabus in Exam</u>  | Full Syllabus                   |
| <b>fglnh</b>        | ij d i kv; i qrd<br>v k j k g & 2<br>i   H k k x<br>1½ v k R e i f j p; ] f n u t Y n h & t Y n h < y r k<br>g A<br>2½ i r a x<br>3½ d f o r k d s c g k u c k r l h / k h F k h i j<br>4½ d e j s e s c n v i k f g t<br><br>x   H k k x<br>H k f D r u<br>c k t k j n " k u<br>c k y s e p k k i k u h n s<br><br>i j d i q r d ½ f o r k u ½<br>f l Y o j o s M x<br>t w<br><br>0; k d j . k<br>v i f B r x   k a k<br>j p u k R e d y f k u & v u p N n<br>d k ; y ; h i =<br>t u l p k j<br>e k / ; e v k j y f k u | i   H k k x<br><br>1½ m ' k k<br>2½ c k n y j k x<br>3½ d f o r k o y h<br>4½ N k a / k e j k [ k r ] c x y s d s i f k<br><br>x   H k k x<br>i g y o k u d h < k y d<br>f " k j h ' k d s Q w<br>J e f o l l k t u v k j t k f r o k n i f k k<br>f o r k u<br>1½ v r h r e a n c s i k o<br>v i f B r d k o ; k a k<br>O h p j y f k u<br>d g k u h d k u k V d : i k l r j . k , o a j s M ; k s u k V d<br>l t u k R e d y f k u<br>कार्यालय पत्र | I a w k i k B ; d e             |
| <b>PHYSICS</b>      | 1. Electrostatics<br>2. Current Electricity<br>3. Magnetic Effect of Current & Magnetism<br>4. Electromagnetic Induction<br>5. Electromagnetic Wave  | 6. Alternating current<br>7. Optics<br>8. Dual Nature of Matter<br>9. Atoms & Nuclei<br>10. Electronic Devices<br><u>Full Syllabus in Exam</u>  | Full Syllabus                   |
| <b>CHEMISTRY</b>    | 1. Solutions<br>2. Electrochemistry<br>3. Chemical Kinetics<br>4. Haloalkanes & Haloarenes<br>5. Alcohols, Phenols, and Ethers   | 6. d and f block elements<br>7. Coordination Compounds<br>8. Aldehydes, Ketones And Carboxylic acids<br>9. Amines<br>10. Bio Molecules<br><u>Full Syllabus in Exam</u>  | Full Syllabus                   |
| <b>MATHS</b>        | Part –I<br>1. Matrices<br>2. Determinants<br>3. Inverse Trigonometric Functions<br>4. Continuity and Differentiability<br>5. Application of Derivatives<br>6. Introduction of Integration  | 7. Relations function<br>8. Linear Programming<br>9. Probability<br>10. Application of Integrals<br>11. Differential Equations<br>12. Vector Algebra<br>13. Three dimensional<br><u>Full Syllabus</u>   | Full Syllabus                   |
| <b>BIOLOGY</b>      | 1. Sexual Rep. in flowering plants<br>2. Human Reproduction<br>3. Reproductive Health<br>4. Principles of inheritance & Variations<br>5. Evolution<br>6. Human health and diseases<br>7. Microbes in human welfare   | 8. Molecular Basis of Inheritance<br>9. Bio technology principles and processes<br>10. Bio Technology and its applications<br>11. Organisms & populations<br>12. Ecosystem<br>13. Bio diversity and Conservation<br><u>Full Syllabus in exam.</u>   | Full Syllabus                   |
| <b>IP</b>           | 1. Data handling using pandas<br>2. Database query using SQL   | 3. Social Impact<br>4. Introduction to Computer Network   | Full Syllabus                   |

|                           |   |                                      |               |
|---------------------------|---|--------------------------------------|---------------|
| <b>PHYSICAL EDUCATION</b> | Ch-1 Management of Sporting Events                    | Ch-6 Test & Measurement in Sports    | Full Syllabus |
|                           | Ch- 2 Children & Women in sports                      | Ch-7 Physiology & injuries in sports |               |
|                           | Ch-3 Yoga as preventive majors for Life Style disease | Ch- 8 Biomechanics & Sports          |               |
|                           | Ch-4 Phy .Edu& Sports for CWSN                        | Ch-9 Psychology & Sports             |               |
|                           | Ch-5 Sports & Nutrition                               | Ch-10 Training in Sports             |               |
|                           |   | Full Syllabus In Exams               |               |

### ***Time Table Class – XII (2024-2025)***

| <b>HALF YEARLY EXAMS</b> |            |                                       |
|--------------------------|------------|---------------------------------------|
| <b>Date</b>              | <b>Day</b> | <b>Subjects</b>                       |
| 12/08/2024               | Monday     | Eng Elective / Core                   |
| 14/08/2024               | Wednesday  | Chemistry / B.Std / Pol Science       |
| 16/08/2024               | Friday     | Phy. Education / IP / Hindi           |
| 20/08/2024               | Tuesday    | Biology / Maths / Economics / History |
| 22/08/2024               | Thursday   | Physics / Geography / Accountancy     |

| <b>1<sup>st</sup> PRE-BOARD EXAMS</b> |            |                                       |
|---------------------------------------|------------|---------------------------------------|
| <b>Date</b>                           | <b>Day</b> | <b>Subjects</b>                       |
| 18/11/2024                            | Monday     | Chemistry / B.Std / Pol Science       |
| 20/11/2024                            | Wednesday  | Biology / Maths / Economics / History |
| 22/11/2024                            | Friday     | Eng Elective / Core                   |
| 25/11/2024                            | Monday     | Physics / Geography / Accountancy     |
| 27/11/2024                            | Wednesday  | Phy. Education / IP / Hindi           |

| <b>2<sup>nd</sup> PRE-BOARD EXAMS</b> |            |                                       |
|---------------------------------------|------------|---------------------------------------|
| <b>Date</b>                           | <b>Day</b> | <b>Subjects</b>                       |
| 04/01/2025                            | Saturday   | Biology / Maths / Economics / History |
| 07/01/2025                            | Tuesday    | Physics / Geography / Accountancy     |
| 09/01/2025                            | Thursday   | Eng Elective / Core                   |
| 11/01/2025                            | Saturday   | Phy. Education / IP / Hindi           |
| 13/01/2025                            | Monday     | Chemistry / B.Std / Pol Science       |

1. All the documents & Fee should be deposited at the school office before commencement of I Term Exam.
2. There will be no re-exam in any case.
3. The marks of I Term & II Term shall be included in final result.
4. All the students should be present in proper school uniform.

***Principal***