# Jagat Taran Golden Jubilee School, Prayagraj
# Syllabus Break-up Exam-Wise 2026-27
# CLASS X

## PHYSICS

| S.N. | PERIODIC TESTS/EXAM | CHAPTERS | EXPERIMENTS/ ACTIVITIES |
|---|---|---|---|
| 1. | Periodic Test 1 | Ch-1. Light - Reflection of light | Determination of the focal length of concave mirror by obtaining the image of distant object. |
| 2. | Periodic Test 2 | Ch-1. Light - Refraction of light | Determination of the focal length of convex lens by obtaining the image of distant object. |
| 3. | Periodic Test 3 (Half- Yearly) | Ch-1. Light – Reflection and Refraction<br>Ch- 2. Human Eye and the colourful world | |
| 3. | Pre-Board | Ch-1. Light – Reflection and Refraction<br>Ch-2. Human Eye and the colourful world<br>Ch -3. Electricity<br>Ch - 4. Magnetic effects of current | |

# CHEMISTRY

| Sr. No. | Exam | Chapter's Name | Subject Enrichment Activities |
|---|---|---|---|
| 1. | Periodic Test 1 | 1. Chemical Reactions and Equations | To perform and observe the types of reactions in the following: -<br>1. Reaction of iron nail kept in copper sulphate solution<br>2. Action of water on quicklime<br>3. Action of heat on ferrous sulphate crystals<br>4. Reaction between $Na_2SO_4$ and $BaCl_2$. |
| 2. | Periodic Test 2 | 2. Acids, Base sand Salts | To find the pH of the following samples by using pH paper/universal indicator:<br>1. Dil HCl<br>2. Dil NaOH<br>3. Dil ethanoic acid solution<br>4. Lemon water<br>5. Water<br>6. Dilute Hydrogen Carbonate Solution |
| 3. | Periodic test 3 (Half-Yearly) | 1. Chemical Reactions and equations<br>2. Acids, Bases and Salts<br>3. Metals and non-metals | |
| 4. | Pre-Board | 1. Chemical Reactions and Equations<br>2. Acids, Bases and Salts<br>3. Metals and non-metals<br>4. Carbon and its compounds | |

# MATHEMATICS

| PERIODIC TEST / EXAMS | CHAPTERS | PROJECT WORK |
|---|---|---|
| **PERIODIC TEST I** | Ls. 1 - Real Numbers<br>Ls. 2 - Polynomials | 1. To find the HCF of two numbers experimentally based on Euclid's Division Lemma<br>2. To draw the graph of a quadratic polynomial and observe :<br>i) the shape of the curve when the coefficient of $x^2$ is positive.<br>ii) the shape of the curve when the coefficient of $x^2$ is negative.<br>iii) its number of zeros. |
| **PERIODIC TEST II** | Ls. 3 - Pair of Linear Equations in two variables<br>Ls. 4 - Quadratic Equations<br>Ls. 5 - Arithmetic Progression | 1. To obtain the conditions for consistency or inconsistency of given pairs of linear equations in two variables by graphical method.<br>2. To verify that the given sequence is an Arithmetic Progression by paper cutting and pasting method.<br>3. To verify the sum of first n – natural numbers is n (n+1) / 2 by graphical method. |
| **PERIODIC TEST III**<br>**(HALF – YEARLY EXAM)** | Ls. 6 – Triangles<br>Ls. 7 - Coordinate Geometry<br>Ls. 8 - Introduction to Trigonometry<br>Ls. 9 - Some Applications of Trigonometry<br>Ls. 10 – Circles<br>NOTE : **P.T. I & P.T. II CHAPTERS ALSO INCLUDED** | 1. To verify the BPT using parallel line board and triangle cut outs.<br>2. To verify the Pythagoras theorem by the method of paper cutting and pasting.<br>3. To verify the Pythagoras theorem by Bhaskara method.<br>4. To make a clinometer and use it to measure height of an object. |

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| **PREBOARD** | Ls. 11 – Area related to Circles<br><br>Ls. 12 – Surface Areas and Volumes<br><br>Ls. 13 – Statistics<br><br>Ls. 14 – Probability<br><br>NOTE : **FULL BOOK ACCORDING TO THE PRESCRIBED SYLLABUS OF 2026 – 2027 BY CBSE.** | 1. To give a suggestive demonstration of the formula that the area of the circle is half the product of its circumference and radius , by paper cutting and pasting.<br><br>2. To give a suggestive demonstration of the formula for the volume of a right circular cylinder in terms of its height and radius of the base circle.<br><br>3. To give a suggestive demonstration of the formula for the volume of a right circular cone. |

# BIOLOGY

| S.NO. | EXAM | ACTIVITY |
|---|---|---|
| 1 | Periodic Test – 1<br>(May) | Ch 1 Life Processes<br>(Autotrophic Nutrition) |
| 2 | Periodic Test – 2<br>(August) | Ch 1 Life Processes<br>(Complete chapter) |
| 3 | Periodic Test – 3<br>(October) | Ch 1 Life Processes<br>Ch 2 Control and Coordination<br>Ch 3 How do the Organisms Reproduce<br>(Vegetative propagation) |
| 4 | Pre Board<br>(December) | Ch 1 Life Processes<br>Ch 2 Control and Coordination<br>Ch 3 How do the Organisms Reproduce<br>Ch 4 Heredity and Variation<br>Ch 5 Our Environment |

# ECONOMICS

| Sr. No. | EXAM | Chapter's Name |
|---|---|---|
| 1. | PERIODIC TEST 1 | Ch-1 Development |
| 2. | PERIODIC TEST 2 | Ch-2 Sectors of the Indian Economy |
| 3. | PERIODIC TEST 3/ HALF-YEARLY | Ch-1 Development<br>Ch-2 Sectors of the Indian Economy<br>Ch- 3 Money and Credit |
| 4. | PRE BOARD EXAM | Ch-1 Development<br>Ch-2 Sectors of the Indian Economy<br>Ch- 3 Money and Credit<br>Ch- 4 Globalisation and the Indian Economy |

**GEOGRAPHY**

| PERIODIC TESTS/EXAMS | CHAPTERS |
|---|---|
| **PERIODIC TEST I**<br><br>**(MAY)** | Sub : Geography<br><br>Textbook : Contemporary India-II<br><br>L-1 Resources and Development |
| **PERIODIC TEST II**<br><br>**(AUGUST)** | Geography :<br><br>L-2 Forest and Wildlife Resources |
| **P T - III EXAM**<br><br>**( HALF-YEARLY)**<br><br>**( OCTOBER)** | Term-I Lessons---<br><br>Geography<br><br>L-1 Resources and Development<br><br>L-2 Forest and Wildlife Resources<br><br>L-3 Water Resources<br><br>L-4 Agriculture<br><br>L-5 Minerals and Energy Resources |
| PRE BOARD<br><br>(DECEMBER) | GEOGRAPHY:<br><br>L-1 Resources and Development<br><br>L-2 Forest and Wildlife Resources<br><br>L-3 Water Resources<br><br>L-4 Agriculture<br><br>L-5 Minerals and Energy Resources<br><br>L-6 Manufacturing Industry<br><br>L-7 Lifelines of National Economy ( Interdisciplinary project work )<br><br>(ONLY MAP POINTING TO BE EVALUATED IN PRE BOARD AND BOARD EXAMS OF CHAPTER -7) |

# HISTORY

| Test/Months | Chapters | Activities |
|---|---|---|
| Periodic Test 1<br>(May) | **History**:<br>Ch-4 The Age of Industrialisation<br>**Civics**:<br>Ch-1Power Sharing | |
| Periodic Test 2<br>(August) | **History**: Ch-1 Nationalism in Europe<br>**Civics**: Ch-2 Federalism | |
| Periodic Test 3<br>(Half Yearly)<br>(October) | **History**:<br>Ch-1 Nationalism in Europe<br>Ch-2 Nationalism in India<br>Ch-3 The Making of a global World<br><br>**Civics**:<br>Ch-1Power Sharing<br>Ch-2 Federalism<br>Ch-3 Gender, Religion and caste<br>Ch-4 Political Party | |
| Pre Board<br>(December) | **History**:<br>Ch-1 Nationalism in Europe<br>Ch-2 Nationalism in India<br>Ch-3 The Making of a global World<br>Ch-5 Print Culture and Modern World<br>**Civics**: Ch-1 Power Sharing<br>Ch-2 Federalism<br>Ch-3 Gender, Religion and caste<br>Ch-4 Political Party<br>Ch-5 Outcomes of Democracy | |

## ENGLISH (055)

| Exam | Literature | Grammar | Writing Skills |
|---|---|---|---|
| **Periodic Assessment 1** | A Letter to God (G.L. Fuentes);<br>Dust of Snow (Poem – Robert Frost);<br>Fire and Ice (Poem – Robert Frost) | Modals;<br>Determiners | Formal Letter Writing |
| **Periodic Assessment 2** | A Triumph of Surgery (James Herriot);<br>Nelson Mandela: Long Walk to Freedom;<br>Two Stories About Flying;<br>The Thief's Story (Ruskin Bond);<br>A Tiger in the Zoo (Poem);<br>From the Diary of Anne Frank;<br>Glimpses of India | Determiners ;<br>Modals ;<br>Subject-Verb Concord | Letter Writing (Formal & Informal) |
| **Periodic Assessment 3 (Half-Yearly Exam)** | From the Diary of Anne Frank;<br>Glimpses of India;<br>Mijbil the Otter;<br>Madam Rides the Bus;<br>The Sermon at Benares;<br>The Midnight Visitor;<br>A Question of Trust; Footprints Without Feet;<br>The Making of a Scientist;<br>How to Tell Wild Animals (Poem);<br>Amanda! (Poem);<br>The Trees (Poem) | Reported Speech;<br>Subject-Verb Concord;<br>Tenses | Formal Letter Writing;<br>Analytical Paragraph |
| **Pre-Board Examination** | The Proposal (Play);<br>Fog (Poem);<br>The Tale of Custard the Dragon (Poem);<br>For Anne Gregory (Poem);<br>The Necklace;<br>Bholi;<br>The Book That Saved the Earth; + Full Syllabus (PT1, PT2, PT3) | Reported Speech;<br>Subject-Verb Concord;<br>Modals;<br>Determiners;<br>Tenses;<br>Editing & Omission | Letter Writing; Analytical Paragraph |

# INFORMATION TECHNOLOGY

| Exam | Chapter |
|---|---|
| Periodic Test 2 | Part B<br><br>1. Advanced Documentation<br>2. Calc Spreadsheet<br>3. Database Management System<br>4. Work Place Security |
| Pre- Board | Part B<br><br>1. Advanced Documentation<br>2. Calc Spreadsheet<br>3. Database Management System<br>4. Work Place Security<br><br>Part A<br>1. Communication Skill-II<br>2. Self-Management skill-II<br>3. ICT Skill-II<br>4. Entrepreneurial Skill-II<br>5. Green Skill-II |

**HINDI**

| EXAM | CHAPTERS | ACTIVITY |
|---|---|---|
| **PT 1** | **क्षितिज भाग -2**<br>1.नेता जी का चश्मा<br>2.सूरदास के पद<br>**व्याकरण एवं लेखन**<br>1. अपठित गद्यांश<br>2. पत्र लेखन<br>3. अलंकार(उपमा, रूपक, उत्प्रेक्षा) | 1.मैं प्रयाग का चौराहा हूँ-।<br>2.फेरीवालों की समस्याएँ एवं समाधान के सुझाव। |
| **PT 2** | **क्षितिज भाग -2**<br>1. बालगोबिन भगत<br>2. राम-लक्ष्मण-परशुराम संवाद<br>**कृतिका भाग -2**<br>1. माता का अंचल<br>**व्याकरण एवं लेखन**<br>1. पद परिचय<br>2. अलंकार(अतिश्योक्ति और मानवीकरण)<br>3. अपठित पद्यांश | 1.दोहा व चौपाई छंद का गायन।<br>2.पठित गद्यांश पर आधारित प्रश्नोत्तर |

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|---|---|---|
| **PT 3** | **क्षितिज भाग -2**<br>1. सूरदास का पद<br>2. राम-लक्ष्मण-परशुराम संवाद<br>3. आत्मकथ्य<br>4. उत्साह/अट नहीं रही<br>5. दंतुरित मुस्कान/फसल<br>6. नेता जी का चश्मा<br>7. बालगोबिन भगत<br>8. लखनवी अंदज़<br>9. एक कहानी यह भी<br><br>**कृतिका भाग -2**<br>1. माता का अंचल<br>2. साना-साना हाथ जोड़ि | 1.काशी में हो रहे बदलावों पर बिस्मिल्लाह खाँ की पीड़ा को अपने शब्द में लिखिए।<br>2.युवा वर्ग में सफलता के लिए शॉर्टकट अपनाने की बढ़ती प्रवृत्ति।<br><br>A.S.L. |
| **PRE BOARD CBSE के (प्रश्न पत्र प्रारूप अनुसार)** | **क्षितिज भाग -2**<br>1. सूरदास का पद<br>2. राम-लक्ष्मण-परशुराम संवाद<br>3. आत्मकथ्य<br>4. उत्साह/अट नहीं रही<br>5. दंतुरित मुस्कान/फसल<br>6. संगतकार<br>7. नेता जी का चश्मा<br>8. बालगोबिन भगत<br>9. लखनवी अंदज़<br>10.एक कहानी यह भी<br>11.नौबतखाने में इबादत<br>12.संस्कृति<br>**कृतिका भाग -2**<br>1. माता का अंचल<br>2. साना-साना हाथ जोड़ि<br>3. मैं क्यों लिखता हूँ | |

## SUPW

Halfyearly

Art

5. Calligraphy
6. Optical illusion
7. Name design
8. Tree
9. Leaf impression
10. Madhubani painting
11. Poster
12. Amazing art

Craft

7. Jewelry making
8. Wall hanging
9. Best out of waste
10. Kulo art

Final Term

Art

5. Silhoutte Art
6. Landscape
7. Monument drawing

Craft

Durga face

Decorative bottle with clay

# GAMES

**Half yearly examination**

1.Warming up exercises - Running, head rotation, knee band, side band, wrist rotation, hip circle, leg stretching, forwarded bending, backward bending.

2.SAI Khelo India Fitness test – (A)50 meter dash (B) Sit and reach (C) Shuttle run (D) standing broad Jump, (E) Ball throw.

3.Ground magerment knowledge - Basketball, Volleyball , Badminton.

4.Yoga poses- Tadasana, Trikonasana, Vrikshasana, padmasna, Vajrasana, ustasna,gomukhasna,Paschimottanasana.

5. March past practice.

6.Skills of the games-

(A)Basketball- (passing dribbling, layup shot.)

(B) Volleyball (under hand service ,upper hand service ,smash service ).

(C)Badminton (Long drive service, Fore hand stroke Back hand stroke).

(D)Throwball – serving, throwing, receiving.

**Pre board exam**

1.Warming up exercises – side running, head rotation, knee band, side band, wrist rotation, hip circle, leg stretching, forwarded bending, backward bending.

2.SAI Khelo India Fitness test – (A)50 meter dash (B) Sit and reach (C) Shuttle run (D) standing broad Jump, Ball throw.

3.Indoor games- Carrom, chess, Ludo, table tennis.

4.Match practice of outdoor games – Basketball, Volleyball, Badminton, Throwball, cricket.

5. Yoga asana practice- Bhujangasna, Vajrasana,padmasna,Paschimottanasana, Salabhasana gomukhasna, Anulom Vilom, kapal bhati,Dayana.

## LIFE SKILL

| TERM | CHAPTERS |
|---|---|
| **TERM 1** | 1.Enhancing Emotional Intelligence<br>2.Maintaining and Respecting Boundaries<br>3. Emotional Abuse<br>4. Effective Relationships<br>5. Fake life vs Real Life |
| **TERM 2** | 6. Social Media and Dating<br>7. Handling Breakups<br>8. Career Counselling<br>9. Sexual Harassment & Assault<br>10. Identity & LGBTQ |