



## **RIDGE VALLEY SCHOOL**

RVS/CIR/0131(B)/2022-23

09<sup>th</sup> Nov 2022

### **PRE-BOARD 1 EXAM (2022-23) GRADE XII**

Dear Parent,

This is to inform you that the school will be conducting the first round of Pre-Board Exams for Grades X and XII from Monday, December 5, 2022. The students will have a preparatory leave on Thursday, 1<sup>st</sup> December and Friday, 2<sup>nd</sup> December.

Please find attached the date sheet along with the syllabus.

<b>PRE-BOARD EXAMINATION 2022-23</b>			
<b>GRADE XII</b>			<b>Duration- 3 hours</b>
<b>DATE</b>	<b>DAY</b>	<b>SUBJECT</b>	<b>SYLLABUS</b>

05/12/2022	Monday	English	<p><b>Section A- Reading Comprehension Passages</b></p> <p><b>Section B- Writing</b> Notice, Invitation and Replies, Letter to the Editor, Job Application Letter and Biodata, Article, Report</p> <p><b>Section C- Literature</b></p> <p>1. Flamingo (Prose) • The Last Lesson • Lost Spring • Deep Water • The Rattrap • Indigo • Poets and Pancakes • The Interview • Going Places (Poetry) • My Mother at Sixty-Six • Keeping Quiet • A Thing of Beauty • A Roadside Stand • Aunt Jennifer’s Tigers</p> <p>2. Vistas: Supplementary Reader • The Third Level • The Tiger King • Journey to the end of the Earth • The Enemy • On the Face of It • Memories of Childhood (The Cutting of My Long Hair &amp; We Too are Human Beings)</p>
07/12/2022	Wednesday	Physics	<ul style="list-style-type: none"> <li>• Electric charges and fields</li> <li>• Electric potential and capacitance</li> <li>• Current electricity</li> <li>• Moving charges and Magnetism</li> <li>• Magnetism and matter</li> <li>• Electromagnetic induction and Alternating current</li> <li>• Em waves and optics</li> <li>• Dual nature of matter and radiation</li> <li>• Atoms and nuclei</li> <li>• Semi-conductors</li> </ul>
		Accountancy	<p>Part A Accounting for Partnership Firms and Companies Unit 1. Accounting for Partnership Firms Unit 2. Accounting for Companies</p> <p>Part B Financial Statement Analysis Unit 3. Analysis of Financial Statements</p>

			Unit 4. Cash Flow Statement
		<b>Political Science</b>	<p>The End of Bipolarity  New Centers of Power  Contemporary South Asia  United Nations and its Organizations  Security in Contemporary World  Environment and Natural Resources  Globalization  Challenges of Nation-Building  Planned Development  India's Foreign Policy  Parties and Party System in India  Democratic Resurgence  Regional Aspirations  Indian Politics: Recent Trends and Development</p>
<b>09/12/2022</b>	<b>Friday</b>	<b>Chemistry</b>	<p>Solutions  Electrochemistry  Chemical kinetics  D and F block elements  Coordination compounds  Haloalkanes and Haloarenes  Alcohol, phenols and ethers  Aldehydes, ketones and Carboxylic acids  Amines  Biomolecules</p>

		<p><b>Legal Studies</b></p> <p>Judiciary Topics of Law</p> <p>Arbitration Human Rights in India Legal Profession in India Legal Service International Context</p>
		<p><b>Sociology</b></p> <p>Chapter- 2. The Demographic Structure of Indian Society Chapter 3. Social Institutions: Continuity and Change Chapter 5. Patterns of Social Inequality and Exclusion Chapter 6. The Challenges of Cultural Diversity Chapter 8. Structural Change Chapter 9. Cultural Change Chapter 11. Change and Development in Rural Society Chapter 12. Change and Development in Industrial Society Chapter 15. Social Movements</p>
12/12/2022	Monday	<p><b>Artificial Intelligence</b></p> <p>Part A: Unit 2: Self-Management Skills-II Unit 3: ICT Skills-II Unit 4: Entrepreneurial Skills-II</p> <p>Part B: Unit 1: Capstone Project Unit 2: Model Lifecycle Unit 3: Storytelling Through Data</p>
		<p><b>Hindustani Music Vocal</b></p> <p>Brief study of the following :- Alankar, Kan, Meend, Khatka, Murki, Gamak.</p> <p>Brief study of the following Gram, Murchhana, Alap, Tana.</p>

			<p>Historical development of Time Theory of Ragas</p> <p>1 Detail study of the following Sangeet Ratnakar Sangeet Parijat</p> <p>Life sketch and Cotributionof Faiyaz Khan, Bade Ghulam Ali Khan, Krishna Rao,Shankar Pandit</p> <p>Description of Prescribed Talas along with Tala Notation with Thah, Dugun, Tigun and Chaugun Jhaptala Rupak Dhamar</p> <p>Tuning of Tanpura</p> <p>Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them excluding Raga Shuddha Sarang</p> <p>Writing in Notation the Compositions of Prescribed Ragas.  <input type="checkbox"/> Bhairav  <input type="checkbox"/> Bageshri  <input type="checkbox"/> Malkauns</p>
		<p><b>Physical Education</b></p>	<p><b>Unit I : Management of Sporting Events</b></p> <ul style="list-style-type: none"> <li>• Functions of Sports Events Management (Planning, Organising, Staffing, Directing &amp; Controlling)</li> <li>• Various Committees &amp; their Responsibilities (pre; during &amp; post)</li> <li>• Fixtures and its Procedures – Knock-Out (Bye &amp; Seeding) &amp; League (Staircase &amp; Cyclic)</li> </ul>

			<p><b>Unit II: Children &amp; Women in Sports</b></p> <ul style="list-style-type: none"> <li>• Common Postural Deformities - Knock Knee; Bow Legs; Flat Foot; Round Shoulders; Lordosis, Kyphosis, and Scoliosis and their corrective measures</li> <li>• Special consideration (Menarche &amp; Menstrual Dysfunction) Female Athletes Triad (Osteoporosis, Amenorrhea, Eating Disorders)</li> </ul> <p><b>Unit III Yoga As Preventive Measure For Lifestyle Disease</b></p> <ul style="list-style-type: none"> <li>• <b>Obesity:</b> Procedure, Benefits &amp; Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha – Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhan pranayama.</li> <li>• <b>Diabetes:</b> Procedure, Benefits &amp; Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati.</li> <li>• <b>Asthma:</b> Procedure, Benefits &amp; Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasana, Bhujangasana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana Matsyaasana, Anuloma-Viloma.</li> <li>• <b>Hypertension:</b> Procedure, Benefits &amp; Contraindications for Tadasana, Katichakrasana, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, UttanMandukasana, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi- shodhanapranayam, Sitlipranayam.</li> </ul>
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**Unit IV: Physical Education & Sports For Cwsn (Children With Special Needs - Divyang)**

- Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics)
- Advantages of Physical Activities for children with special needs.
- Strategies to make Physical Activities assessable for children with special needs.

**Unit V: Sports & Nutrition**

- Concept of balance diet and nutrition
- Macro and Micro Nutrients: Food sources & functions  
Nutritive & Non-Nutritive Components of Diet

**Unit VI: Test & Measurement in Sports**

- Fitness Test – SAI Khelo India Fitness Test in school:
- Age group 5-8 yrs/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test
- Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal Partial Curl Up, Push-Ups for boys, Modified Push-Ups for girls).
- Computing Basal Metabolic Rate (BMR)
- Rikli & Jones - Senior Citizen Fitness Test
  - I. Chair Stand Test for lower body strength
  - II. Arm Curl Test for upper body strength
  - III. Chair Sit & Reach Test for lower body flexibility
  - IV. Back Scratch Test for upper body flexibility
  - V. Eight Foot Up & Go Test for agility
  - VI. Six Minute Walk Test for Aerobic Endurance

**Unit VII: Physiology & Injuries in Sports**

- Physiological factors determining components of physical fitness
- Effect of exercise on Muscular System  
Effect of exercise on Cardio-Respiratory System
- **Sports Injuries:** Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted)

**Unit VIII: Biomechanics & Sports**

- Newton's Law of Motion & its application in sports
- Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports
- Friction & Sports
- Projectile in Sports

**Unit IX: Psychology & Sports**

- Personality; its definition & types (Jung Classification & Big Five Theory)
- Meaning, Concept & Types of Aggressions in Sports
- Psychological Attributes in Sports – Self Esteem, Mental Imagery, Self Talk, Goal Setting

**Unit X: Training in Sports**

- Concept of Talent Identification and Talent Development in Sports
- Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle.
- Types & Method to Develop – Strength, Endurance and Speed



			<ul style="list-style-type: none"> <li>• Types &amp; Method to Develop – Flexibility and Coordinative Ability</li> </ul>
<b>19/12/2022</b>	<b>Monday</b>	<b>Business Studies</b>	<p>Part A Principles and Functions of Management</p> <ol style="list-style-type: none"> <li>1. Nature and Significance of Management</li> <li>2 Principles of Management</li> <li>3 Business Environment</li> <li>4 Planning</li> <li>5 Organising</li> <li>6 Staffing</li> <li>7 Directing</li> <li>8 Controlling</li> </ol> <p>Part B Business Finance and Marketing</p> <ol style="list-style-type: none"> <li>9 Financial Management</li> <li>10 Financial Markets</li> <li>11 Marketing Management</li> <li>12 Consumer Protection</li> </ol>

<b>21/12/2022</b>	<b>Wednesday</b>	<b>Biology</b>	<ol style="list-style-type: none"> <li>1. Chapter 2 – Sexual Reproduction in Flowering Plants</li> <li>2. Chapter 3 – Human Reproduction</li> <li>3. Chapter 4 – Reproductive Health</li> <li>4. Chapter 5 – Principles of Inheritance and Variations</li> <li>5. Chapter 6 – Molecular Basis of Inheritance</li> <li>6. Chapter 7- Evolution</li> <li>7. Chapter 8- Human Health and Diseases</li> <li>8. Chapter 10 – Microbes in Human Welfare</li> <li>9. Chapter 11 – Biotechnology –Principles and Processes</li> <li>10. Chapter 12 – Biotechnology and its Applications</li> <li>11. Chapter 13 – Organisms and Populations</li> <li>12. Chapter 14 – Ecosystem</li> <li>13. Chapter 15 – Biodiversity and its Conservation</li> </ol>
		<b>Computer Science</b>	<p>Unit 1 : Revision to Python</p> <p>Unit 2 : File Handling</p> <p>Unit 3: Python Library</p> <p>Unit 4: Data Structure</p> <p>Unit 5: Networking</p> <p>Unit 6: Database Management</p>

		<p><b>Home Science</b></p>	<p>Ch:1 Work Livelihood and career  Ch:2 Clinical Nutrition and Dietetics  Ch: 3 Public Health and Nutrition  Ch:5 Food Processing and Technology  Ch: 6 Food Quality and Food safety  Ch:7 Early Childhood Care and Education  Ch:10 Management of Support Services, Institutions and Programmes for Children , Youth and Elderly  Ch:11 Design For fabric and Apparel  Ch: 12 Fashion Design and Merchandising  Ch: 15 Care and Maintenance of Fabrics  Ch:17 Hospitality Management  Ch; 20 Consumer Protection and Education  Ch: 21 Development Communication and Journalism</p>
		<p><b>Economics</b></p>	<p><b>Introductory Macroeconomics</b>  National Income and Related Aggregates  Money and Banking  Determination of Income and Employment  Government Budget and the Economy  Balance of Payments</p> <p><b>Indian Economic Development</b>  Development Experience (1947-90)  and Economic Reforms since 1991  Current Challenges facing Indian Economy  Development Experience of India – A Comparison with Neighbours</p>

<b>23/12/2022</b>	<b>Friday</b>	<b>Psychology</b>	Chapter 1: Variations in Psychological Attributes Chapter 2: Self and Personality Chapter 3: Meeting Life Challenges Chapter 4: Psychological Disorders Chapter 5: Therapeutic Approaches Chapter 6: Attitude and Social Cognition Chapter 7: Social Influence and Group Processes
<b>26/12/2022</b>	<b>Monday</b>	<b>Mathematics</b>	Chapter 1: Relation and Functions Chapter 2: Inverse Trigonometric Functions Chapter 3: Matrices Chapter 4: Determinants Chapter 5: Application of Derivatives Chapter 10: Vectors Algebra Chapter 11: Three Dimensional Geometry Chapter 12: Linear Programming Chapter 13: Probability
		<b>Applied Mathematics</b>	Chapter 1: Numbers, Quantification and Numerical Applications Chapter 2: Numerical Inequalities Chapter 3: Matrices Chapter 4: Determinants Chapter 5: Differentiations Chapter 6: Application of Derivatives Chapter 11: Index numbers and Time based Data Chapter 13: Stocks, shares and Debentures Chapter 14: Returns, Growth and Depreciation Chapter 15: Linear Programming

		<b>History</b>	<p><b>Theme1:</b>--Ch1Bricks ,Beads and Bones, Ch2 Kings, Farmers and Towns Ch3 Kinship,Caste and Class Ch4 Thinkers, beliefs and buildings</p> <p><b>Theme2:-</b> -Ch5 Through the eyes of the Travellers. Ch6 Bhakti and Sufi Tradition Ch7 An Imperial capital, Vijaya Nagara Ch8 Peasantts, Zamindars and State</p> <p><b>Theme3:-</b> Ch10 Colonialism and countryside Ch11 Rebels and Raj Ch 13 Mahatma Gandhi and the Nationalist Movement Ch 14 Framing of the Constitution</p>
		<b>Painting</b>	<ul style="list-style-type: none"> <li>• The Rajasthani and Pahari school of Miniature Painting</li> <li>• The Mughal and Deccan School of miniature Painting.</li> <li>• The Bengal School of Painting and the Modern Trends in Indian Art.</li> </ul>

Please make a note of the following :

1. The school timings during the Pre-Board exams will be from 9.30 am to 1.00 pm.
2. Timings of the exams are as follows: -
  - Breakfast - 9.30 am to 9.45 am
  - Reading Time – 09:45 am – 10:00 am
  - Exam Time – 10:00 am – 1:00 pm
  - Dispersal time – 1.00 pm

3. Buses will not ply . Parents are requested to make arrangements to drop and pick up their children.
4. Attendance is mandatory. NO RETEST will be conducted.
5. All the practical exams will be conducted from Monday, 26<sup>th</sup> December to 30<sup>th</sup> December during school hours. The schedule for the same will be shared in the class as well on the ERP by the class teachers.
6. Grade X resumes regular classes from Thursday,22<sup>nd</sup> December 2022.
7. Grade XII resumes regular classes from Monday,26<sup>th</sup> December. Students of Grade XII who have an exam on 26<sup>th</sup> December 2022 will stay on in the school after their exam and attend regular classes till 2.50 pm.
8. **Students of Grade XII** who have a **painting exam** on **Monday,26<sup>th</sup> December** will come to school at **8.30 am** as they will have their practical exam on the same day.

Wishing all our students best of luck for the exams.

Warm regards,  
Nidhi Tewari  
Principal.