



GRAIN CHAMBER PUBLIC SCHOOL

Affiliated to C.B.S.E., New Delhi, up to 10+2 level

NEW MANDI, MUZAFFARNAGAR-251 001 (U.P.)

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SYLLABUS
FOR THE SESSION
2015-2016

Class - X

| Subject | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
|---------|---|---|--|--|---|--------|
| English | <p>Section A (Reading Skills) :- Unseen Passage (Grammar Book)</p> <p>Section B (Writing Skills) :- Article, Letter-Formal, Informal, Speech wr., Debate, Story writing</p> <p>M.C.B. :- Unit 1 to 3</p> <p>Section C (Grammar Skills) : Tenses, Modals, Passive voice, Sub-verb Concord, Reported speech, Clauses-Noun, Adverb clauses of condition & time, Relative clauses, Determiners, Prepositions, Conjunctions, Pronoun</p> <p>Grammar Book :- L. - 1 to 4, 6 to 17</p> <p>Work Book - Unit 1 to 7</p> <p>Section D - Literature -</p> <p style="padding-left: 20px;">Fiction - 1, 2, 3</p> <p style="padding-left: 20px;">Poem - 1, 2, 3</p> <p style="padding-left: 20px;">Drama - The Dear Departed</p> <p>Long Reading Text (Novel) - The story of my life by Helen Keller</p> <p>L. - 1 to 13</p> <p>Language Lab. - Module - 1</p> <p>ASL - 1 Practical</p> | <p>Fiction - 1</p> <p>Poem - 1</p> <p>Grammar - Tenses wr.</p> <p>Section- Article writing</p> <p>Novel - Part - 1</p> <p>L. - 1, 2</p> <p>Module - 1</p> <p>Session - 1 to 3</p> | <p>Fiction - 2</p> <p>Poem - 2</p> <p>Grammar - Modals wr.</p> <p>Section- Formal letter</p> <p>Novel- Part-1</p> <p>L.- 3, 4</p> <p>Module -1</p> <p>Session - 4 to 6</p> | <p>Section A (Reading Skills) :- Unseen Passage (Grammar Book)</p> <p>Section B (Writing Skills) :- Article, Letter-Formal, Informal, Speech, Debate, Story Writing</p> <p>M.C.B. :- Unit 4 to 6</p> <p>Section C (Grammar Skills) : Tenses, Modals, Passive voice, Sub-verb Concord, Reported speech, Clauses-Noun, Adverb clauses of condition & time, Relative clauses, Determiners, Prepositions, Conjunctions, Pronoun</p> <p>Grammar Book :- L. - 5, 18 to 22</p> <p>Work Book - Unit 8 to 14</p> <p>Section D - Literature -</p> <p style="padding-left: 20px;">Fiction - 4, 5, 6</p> <p style="padding-left: 20px;">Poem - 4, 5, 6</p> <p style="padding-left: 20px;">Drama - Julius Caesar</p> <p>Long Reading Text (Novel) - The story of my life by Helen Keller</p> <p>L. - 14 - 23</p> <p>Language Lab. - Module - 4</p> <p>ASL - 1 Practical</p> | <p>Activities -</p> <ol style="list-style-type: none"> Dialogue writing Biography - D . H . Lawrence Make a list of 10 famous plays of William Shakespeare alongwith the names of main characters of the year of publishing. Article wr- Work is Worship Speech-Oratorical Skill, is the biggest weapon for getting success. | P.S.A. |
| Hindi | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
| | <p>क्षितिज- भाग-2</p> <p>गद्य खंड- पाठ-10, 11, 12, 13</p> <p>पद्य खंड- पाठ-1, 3, 4, 5, 6</p> <p>कृतिका - भाग-2</p> | <p>क्षितिज-भाग-2</p> <p>गद्य खंड- भाग-10</p> | <p>क्षितिज-भाग-2</p> <p>गद्य खंड- भाग-11, 12</p> | <p>क्षितिज- भाग-2</p> <p>गद्यांश - पाठ-14, 15, 16, 17</p> <p>काव्य खंड- 2, 7, 8, 9</p> <p>कृतिका - भाग-2</p> | <p>क्रियाकलाप-</p> <ol style="list-style-type: none"> रामचरित्र मानस में से किसी भी अंश से 10 चौपाई लिखनी हैं। | P.S.A. |

| | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
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| | <p>कृतिका – पाठ-1, 2 व्याकरण- रचना के आधार पर वाक्य-भेद। पद-परिचय, रस व्याकरण- वाच्य, सार-लेखन, पत्र-लेखन, निबंध-लेखन, अपठित गद्यांश व पद्यांश</p> | <p>पद्य खंड- पाठ-1 व्याकरण-वाच्य</p> | <p>काव्य खंड- पाठ-3, 4 कृतिका-भाग-2 कृतिका-पाठ-1 व्याकरण- वाच्य, पद- परिचय, रचना के आधार पर वाक्य-भेद व सार लेखन।</p> | <p>कृतिका – पाठ-3, 4, 5 व्याकरण- रचना के आधार पर वाक्य-भेद। पद-परिचय, रस व्याकरण- वाच्य, सार-लेखन, पत्र-लेखन। निबंध- लेखन, अपठित गद्यांश व काव्यांश।</p> | <p>2. भारतरत्न से विभूषित 20 व्यक्तियों की सूची (चित्र सहित) 3. विवाह का निमन्त्रण-पत्र तैयार करना। 4. किसी पसंदीदा वाद्य का सचित्र वर्णन। 5. एक संवेदन युवा नागरिक की हैसियत से विज्ञान के द्वारा बनाए गये दुरुपयोगों को रोकने में आपकी क्या भूमिका है। (अनुच्छेद लेखन)</p> | |
| Sanskrit | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
| | <p>खण्ड: (क) अपठित अवबोधनम् खण्ड: (ख) अनौपचारिक पत्रम्, चित्राधारित वर्णनम्/ अनुच्छेद लेखनम् वा खण्ड: (ग) सन्धिकार्यम्, समासः, प्रत्ययाः, अव्ययपदानि, घटिका-चित्र साहाय्येन अङ्कानाम् स्थाने शब्देषु समयं लेखनम्, वाच्य परिवर्तनम् (केवल लट्लकारे) खण्ड: (घ) मणिका- पाठ 1 से 5 तक।</p> | <p>खण्ड: (ग) सन्धिः- स्वरः, व्यञ्जन व विसर्ग सन्धि, अव्यय पदानि, घटिका चित्र-साहाय्येन अङ्कानाम् स्थाने शब्देषु समय लेखनम्। खण्ड: (घ) मणिका- पाठ 1, 2</p> | <p>खण्ड: (ग) समासः- तत्पुरुषः, कर्मधारयः व द्विगु समासः। प्रत्ययाः-कृदन्ता -तव्यत्, अनीयर् प्रत्यय वाच्य परिवर्तनम् (केवल लट् लकारे) खण्ड: (घ) मणिका- पाठ 3, 4</p> | <p>खण्ड: (क) अपठित अवबोधनम् खण्ड: (ख) अनौपचारिक पत्रम्, चित्राधारित वर्णनम्/अनुच्छेदलेखनम् वा खण्ड: (ग) सन्धिकार्यम्, समासः, प्रत्ययाः, अव्ययपदानि, सङ्ख्या, वचन-लिङ्ग-पुरुष-लकार दृष्ट्या संशोधनम्। खण्ड: (घ) मणिका- पाठ 6 से 11 तक।</p> | <p>1. विद्यालये वृक्षाणाम् संरक्षणार्थं अस्माभिः किं किं करणीयम्, इस विषय पर दस वाक्य संस्कृत में लिखिए। 2. अपने विद्यालय के वार्षिकोत्सव का वर्णन करते समय मित्र को पत्र संस्कृत में लिखिए। 3. काव्य पाठः- 'तिरुक्कुरल</p> | <p>खण्ड: (ग) समासः- बहुब्रीहिः, द्वन्द्व व अव्ययीभाव समासः। प्रत्ययाः- कृदन्ता- शतृ, शानच् तद्धिताः- त्व, तल् प्रत्यय सङ्ख्या, वचन-लिङ्ग-पुरुष -लकार दृष्ट्या संशोधनम्। खण्ड: (घ) मणिका- पाठ 6, 7, 8</p> |

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| | | | | | सूक्ति सौरभम्' पाठ पर आधारित प्रश्नोत्तर लिखिए। 4. अधःकानिचित् पदानि दत्ताभि। तेषां प्रकृतयः गोलाकारेषु प्रत्ययाः च चतुर्भुजेषु लिखिताः। ध्यानेन पठत पदानाम् परिचयं च प्राप्नुत। 5. चित्राधारितम् वाक्य निर्माणम् लिखत। | |
| Maths | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
| | Real Numbers, Polynomials, Pair of linear equations in two variables, similar triangles, Introduction to trigonometry Statistics Maths Lab Manual Unit V Geometry Activity 11 to 15 Unit VII Activity 17 | Real Numbers, Polynomials Math Lab. Manual Unit-I N u m b e r System Unit - IV Co-ordinate Geometry | Pair of Linear equations in two variable Introduction to trigonometry Math Lab. Manual Unit III Trigonometry Unit II Activity-2 | Quadratic equations, Arithmetic Progressions, Co-ordinate Geometry, Application of trigonometry, Circles, Constructions, Probability, Areas related to circles, surface area and volume Math Lab Manual Unit II Activity - 3 to 7 Unit VII Activity - 20 | Area related to circle and surface area & volume. Math Lab Manual Unit VI Mensuration Activity : Find the volume and surface area based on combination of solid figures. | P.S.A. Math Lab Manual Unit V Geometry Activity : 16 & 17 |
| Physics | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
| | Ch. - 12, 13, 14 | Ch. - 12 (upto Ohm's law) Exp.:- To study the dependence of current on the | Ch. - 12 (after Ohm's law), 13, 14 Exp. 1: To find the resultant | Ch. - 10, 11 | Ch. - 10 (upto Reflection of light) Exp. 1: To determine the focal | Ch. - 10 (after Reflection), 11 Exp. 1: To find the image distance for varying object distances in case |

| | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
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| | | potential difference and plot a graph between V,I. | resistance of two resistors when connected in series. Exp. 2 : To find the resultant resistance of two resistors when connected in parallel. | | length of a given concave mirror by obtaining image of a distant object. Exp. 2 : To find the focal length of a given convex lens. Exp. 3 : To trace the path of a ray of light passing through a rectangular glass slab. Act. - 10.4, 10.6 (NCERT) | of a convex lens and draw corresponding ray diagrams to show the nature of image formed. Exp. 2 : To study the refraction of light falling on a glass prism. |
| Chem. | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
| | Ch. - 1, 2, 3 | Ch. - 1 Lab. activities - Exp. 1 : To classify the following reactions, (i) Combustion (ii) Decomposition (iii) Displacement (iv) Double displacement reaction by (a) Reaction of quick lime with water. (b) Heating of ferrous sulphate (c) Reaction of iron nails with CuSO_4 (d) Reaction of $\text{Na}_2(\text{SO}_4)_3$ solution with BaCl_2 solution. | Ch. - 2, 3 Lab activities - Exp. 1: To determine the pH by pH paper of dil HCl, Dil NaOH solution, Dil CH_3COOH solution, Lemon juice, water, dil NaHCO_3 sol. Exp. 2 : To study properties of acids & bases by reaction with litmus solution, Zinc metal, solid sodium carbonate. Exp. 3 : To observe action of Zn, Fe, Cu & Al metals on ZnSO_4 , FeSO_4 , CuSO_4 & $\text{Al}_2(\text{SO}_4)_3$. | Ch. - 4, 5 | Ch. - 4 (upto Nomenclature) Lab. Act. Exp. 1 : To study properties of acetic acid. Activities : 4.1, 4.2 (NCERT) | Ch. - 4 (after Nomenclature), 5 Lab. Act. Exp. 1 : To study saponification reaction for the preparation of soap. Exp. 2 : To compare the foaming capacity of different samples of soap. |
| Biology | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
| | Ch. - 6, 7 | Ch. - 6 (upto Digestion) Lab activities : Exp. 1 - To prepare a temporary mount of a leaf to show stomata. Exp. 2 - To show experimentally that light is necessary for photosynthesis | Ch. - 6 (upto Digestion), 7 Lab activities : Exp. 1 - To show the CO_2 is produced during respiration by use of KOH solution. Exp. 2 - To show CO_2 is produced during respiration by use of lime water. | Ch. - 8, 9, 15, 16 | Ch. - 8 (upto reproduction in plants) Lab activities : Exp. 1 - To study binary fission in Amoeba. Exp. 2 - To study budding in yeast / Hydra. | Ch. - 8 (after reproduction in Plants), 9, 15, 16 Lab activities : Exp. 1 - To study homology & Analogy of samples of plants & animals. Exp. 2 - To identify the different part of an embryo of dicot seed. |

| S. Sc. | SA 1 | FA 1 | FA 2 | SA2 | FA3 | FA4 |
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| | History L. - 5, 7 Geography L. - 1 to 4 Civics L. - 1 to 4 Economics L. - 1, 2 Lab. Manual - Based on prescribed chapters. | Geo. - L. - 1 Civics L. - 1 Lab. Manual Assign. - 1 (Geo) Assign. - 1 Civics - Q. 2, 3, 4 | Hist. - L. -5 Eco. - L. - 1 Lab. Manual Assign. - 6 (His.) Assign. - 1 Eco. Q - 1, 2, 3 | History L. - 1, 2 Geography L. - 5 to 7 Civics L. - 5 to 8 Economics L. - 3, 4, 5 Lab. Manual - Based on prescribed chapters. | Project - Disaster & Disaster Management. | P.S.A. |
| Art Edu. | SA 1 | | | SA 2 | | |
| | April-May - Introduction & Index, Knowledge of colours & lines. July-Aug. - Picture by thumb impression like as Landscape, Bird, Butterfly, Flower composition or vegetable blocks. Sep.-Oct. - Figure Composition (Shading) like as Working Women | | | Nov.-Dec. - Blow Techniques with the help of stencil or Paper collage. Jan.-Feb. - Rangoli Design or Design in different shapes (आलेखन) | | |
| W. E. | SA 1 | | | SA 2 | | |
| | April-May - Prepare face of a king/queen using handmade paper (Paper work) July-Aug. - Writing Alphabets in "Roman style" with pencil or writing quotations in any style. (Gathic or Roman) in any medium. Sept. - Oct. - Fabric Printing / Block Printing | | | Nov.-Dec. - Helping school authorities in organizing picnic, tours, function, exhibitions, excursions. Jan.-Feb. - Preparing poster layouts in colour. | | |
| Computer | SA 1 | | | SA 2 | | |
| | Chapter - 1 to 5 | | | Chapter - 6 to 9 | | |
| Sports | SA 1 | | | SA 2 | | |
| | April, May - Chess (History, Rules, Name of chessmates, Fundamental Skills) July, Aug. - Table Tennis (History, Rules, Tips of Remember, Fundamental Skills) Sept., Oct. - Kho-Kho (History, Rules, Tips of remember, Fundamental Skills) | | | Nov.- Dec. - Basket-Ball (History, Rules, Tips of Remember, Fundamental Skills) Jan.-Feb. - Athletics (History, Track Events, Field Events) | | |
| Yoga | SA 1 | | | SA 2 | | |
| | April - May : History of Yoga, Surya Namaskar (stage, benefits) July-Aug. : Tarasana - Method Benefits Sept.-Oct. : Trikona Asana (Method, Benefits) | | | Nov. - Dec. : Paschimottan Asana (Method, Benefits) Jan. - Feb. : Recapitulation all yoga. | | |