



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

2018-2019

Class - XI

(XI-1/7)

Subject	Periodic Test I	Half Yearly Exam.	Periodic Test II	Annual Exam.
English Core	<p>Hornbill - L. 1 : The Portrait of a Lady.</p> <p>L. 4 : Landscape of the Soul</p> <p>P1- A Photograph</p> <p>Writing Skills - Notice, Letter to the Editor</p> <p>Grammar - Determiners, Tenses (Editing, Omission, Rearrangement)</p> <p>Language Lab - Module - 7</p> <p>Ch. 1 to 6</p>	<p>Hornbill - L. 2 : We're not afraid to die.</p> <p>P2 - The Voice of Rain</p> <p>L. 7 : The Adventure</p> <p>Snapshot - L. 1: The Summer of the beautiful white Horse, L. 2 : The Address</p> <p>Writing Skills - Ads, Registering & lodging complaints, Making Enquiries, Note Making.</p> <p>Grammar - Modals, Tenses.</p> <p>Hornbill- L. 3 : Discovering Tut....</p> <p>Snapshot - L. 3 : Ranga's Marriage</p> <p>Writing : Placing orders, Article, Speech.</p> <p>Unseen Passage</p> <p>Including Previous Syllabus</p> <p>Module - 7, Ch. : 7 to 11</p>	<p>Hornbill - L. 4 : The Ailing Planet, L. 8 : Silk Road</p> <p>L. 5 : The Browning Version</p> <p>P. - 3 : Childhood</p> <p>Snapshot - L. 4: Albert Einstein at School.</p> <p>Writing Skills - Asking & giving information, Report Writing</p> <p>Grammar - Narration & Clauses</p> <p>Module 7 : Ch. 12 to 17</p>	<p>Hornbill - P 4 : Father to Son</p> <p>Snapshot -</p> <p>Mother's Day (Play)</p> <p>L. 6 - Birth, L. : 7 : The Tale of Melon City L - The Ghat of the only world.</p> <p>Writing Skills - Poster Drafting</p> <p>Application for job.</p> <p>Unseen Passage</p> <p>Including Previous syllabus (Annual syllabus of Pd. I, Half Yearly & Pd. II.</p> <p>Hornbill :</p> <p>Poem : The Laburnum Top.</p> <p>Module 7 : Ch. 18 to 22.</p> <p>ASL</p>

Subject	Periodic Test I	Half Yearly Exam.	Periodic Test II	Annual Exam.
Physics (042)	Unit 1 - Physical world and measurement Unit 2 - Kinematics (Half) Experiments - Experiment based on Vernier Callipers.	Unit 2 - Kinematics (Remaining) Unit 3 - Laws of motion. Unit 4 - Work Energy and Power Unit 5 - Motion of System of Particle and rigid body + Unit 1 and Unit 2 (Previous syllabus) Experiments - Experiments based on screw gauge and spherometer. Act. - 1, 2 (Gp - A)	Unit 6 - Gravitation Unit 7 - Preparation of bulk matter (Ch. Mechanical properties of solid) Experiments - Parallelogram law of vector addition. and Simple Pendulum	Unit 7 - Mechanical properties of fluid. Unit 8 - Thermodynamics Unit 9 - Kinetic theory of gases. Unit 10 - Mechanical wave and Ray optics. + All Previous syllabus. Experiments - All 15 experiments (Group A + Group B) Activities - 3, 4, 5 (Group B)
Chemistry	L. 1, 2 Practicals - Salt Analysis Basic Radical - NH_4^+ , Pb^{2+} Acidic Radical- CO_3^{2-} , Cl^-	L. - 3, 4, 5, 6 (including syllabus of I Pd) Practicals - Salt Analysis Basic Radical - Cu^{2+} , Al^{3+} , Fe^{3+} , Zn^{2+} , Ba^{2+} Acidic Radical - SO_3^{2-} , NO_2^- , SO_4^{2-} , NO_3^-	L. - 8, 9, 14 Practical - pH value	L. - 7, 10, 11, 12, 13 & Previous Syllabus Practical - 1. Titration 2. pH value 3. Salt Analysis
Biology (044)	Ch. - 1, 2 and 3 Lab Practicals / Spotting Activities - 1. Study of compounds microscope parts & working with microscope. 2. Specimens of Kingdom Monera (Bacteria, Nostoc and Oscillatoria) 3. Specimens of Kingdom	Ch. - 4, 5, 6, 7, 8, 9, 10 Lab Practicals / Spotting Activities - 5. Study of specimens of plant Kingdom (Spirogyra, Riccia, Marchantia, Moss, Lichen, Fern, Monocot & Dicot plant) 6. Study of Animal specimens (Hydra, Sponge, Tapeworm, Roundworm, Cockroach, Lizard, Rabbit ... etc.)	Ch. - 11, 12, 13, 14 and 15 Lab Practicals / Spotting Activities - Exp. 3 : Study of Plasmolysis in epidermal peel (Rhoeo) Exp. 4 : Study of Osmosis by Potato osmometer. Exp. 5 : Study of distribution of stomata. (Practicals related to theory	Ch. - 16, 17, 18, 19, 20, 21 and 22 (Including All Previous chapters) Lab Practicals / Spotting Activities - Exp. 6 : Separation of plant pigments by Chromatography Exp. 7 : Test for the presence of urea, sugar, Albumin & bile

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	Protista (Amoeba, Paramoecium, Chlamydomonas) 4. Specimens of Kingdom Fungi (yeast, Rhizopus & Mushroom)	7. Study of plant tissues Parenchyma, Collenchyma, Sclerenchyma, Xylem & Phloem. Exp. 1 : Dissection & display of floral parts (China rose, Mustard) Exp. 2 : External morphology of Cockroach. (Including previous syllabus)	chapters as prescribed by CBSE) Exp. 8 : Study of Mitosis in onion root tips. Exp. 9 : Modifications of root, stem & leaves.	salts in urine sample. 10. Observations & comments on Experimental set ups (i) Anaerobic respiration (ii) Phototropism. 11. Imbition in seeds & resins. 12. Study of human skeleton & joints. All Practicals prescribed by CBSE + Investigatory Projects.
Mathematics	Ch. 1 : Sets Ch. 2 : Relation and Function Ch. 3 : Trigonometric Function	Ch. 1 : Sets Ch. 2 : Relations and Function Ch. 3 : Trigonometric Function Ch. 4 : Principle of Mathematical Induction Ch. 5 : Complex number Ch. 6 : Linear Inequalities Ch. 7 : Permutation and Combination Ch. 8 : Binomial Theorem.	Ch. 9 : Sequences and Series Ch. 10 : Straight line	Ch. - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
Computer Science	Ch. - 1, 2, 3	Ch. - 4, 5, 6 (Including 3 Chapter)	Ch. - 7, 8, 9, 10	Ch. - 11, 12, 13, 14 (Including all syllabus)
Phy. Edu. (048)	Unit - 1 Unit - 3 Practical :- Athletics, Lab Manual and Viva	Unit - 2 Unit - 4 Unit - 6 Unit - 7 + Previous Syllabus Practical - Skill Game	Unit - 5 Unit - 8 Practical - List of National Award Viva : Field events and one game (choice)	Unit - 9 Unit - 10 Unit - 11 Unit - 12 + Complete Previous Syllabus Practical : Athletics 400 m Track and Field event

(X-4/17)

Subject	Periodic Test I	Half Yearly Exam.	Periodic Test II	Annual Exam.
		(choice one game) BMI Test Physical Fitness test (AAPHER)		Lab Manual + Viva 'Pectorial presentation of any five Asanas with posturs and benefits (Including all syllabus- Chapter 1 to 12 Theory and Practical)
Accountancy	(1) Meaning & objective of Accountancy (2) Accounting term (3) Accounting Principles (4) Process & Bases of Accounting (5) Accounting Standards (6) Accounting Equations (7) Double Entry System (8) Origin of transactions (9) Journal (10) Accounting for GST (11) Cash Book	(12) Subsidiary Book (13) Ledger (14) Trial Balance (15) B.R.S. (16) Depreciation (17) Provision & Reserves (Including Previous Syllabus)	(18) Bills of Exchange (19) Rectification of Errors	(20) Capital & Revenue (21) Financial Statements (22) Financial Statements (with Adjustment) (23) Accounting of Incomplete records (24) Computer Accounting + Project work (Including Previous Syllabus)
B. St.	(1) Nature & Purpose of Business (2) Forms of Business organisation	(3) Public, Private & Global Enterprises (4) Business Services (5) Emerging modes of Business (Including Previous Syllabus)	(6) Social Responsibility of Business (7) Source of Finance (8) Small Business	(9) Internal trade (10) International trade + Project work (Including Previous Syllabus)
G. St.	—	Unit - I : Science, technology & Society Unit - II : Contemporary Problems of Indian Society Unit - III : Common Cultural Heritage	—	Unit IV : Constitutional Obligation Unit V : India's Freedom Struggle Unit VI : Human Rights

(X-5/17)

Subject	Periodic Test I	Half Yearly Exam.	Periodic Test II	Annual Exam.
Economics	Part A (Statistics for Economics) Ch. 1 : Economics- An Introduction Ch. 2 : Meaning, Scope & Importance in Economics Ch. 3 : Collection of Data Ch. 4 : Organization of Data Part B (Micro Economics) Unit - I : Introduction	Part A (Statistics for Economics) Ch. 5 : Tabular Presentation Ch. 6 : Diagrammatic Presentation of Data Ch. 7 : Graphic Presentation Ch. 8 : Measure of Central Tendency Ch. 9 : Positional Averages and Partition Values (Including Previous Syllabus) Part B (Micro Economics) Unit II : Consumers Equilibrium and Demand (Including Previous Syllabus)	Part A (Statistics for Economics) Ch. 10 : Measures of Dispersion Part B (Micro Economics) Unit III : Producer's Equilibrium and Supply	Part A (Statistics for Economics) Ch. 11 : Correlation Ch. 12 : Index Number (Including Previous Syllabus) Part B (Micro Economics) Unit IV : Forms of Market and Price Determination under Perfect Competition with simple Application + Project Work (Including Previous Syllabus)
Health Education	IPL 2018 Volley Ball	Badminton Volley Ball Yoga Asanas & its benefits	Football Basket Ball	Cricket Athletics
Work Experience (Atal Tinkering Lab)	Unit-1 KIT Introduction 1. Kit Introduction, 2. Basic Design Considerations in robotics, 3. Introduction to Programming 4. 3-Speed Transmission with clutch Mechanism	Including as Periodic Assessment 1 Unit-2 Physics of Motion 1. Rotational motion, 2. Oscillatory motion 3. Frictional Motion Unit-3 Monitoring & Measurement of Data-I 1 Noise pollution 2. Into the Dark 3. Voting Booth	Unit-4 Monitoring & Measurement of Data-II 1. logging the Line Follower 2. Measuring Wheel Unit-5 Sensor and Control Technology 1. Sound Sensor 2. Light Sensor 3- Ultrasonic Sensor	Including as Periodic Assessment 2 Unit -6 7-Segment Display 1. Introduction to 7-segment Display 2. Display the Letter 3- Display the Number Unit-7 Integrated Circuits ICs 1. Alarm ICs 2. Music ICs 3. Space War ICs

Subject	Periodic Test I	Half Yearly Exam.	Periodic Test II	Annual Exam.
Painting Theory	Unit-I Pre-historic, Indus Valley Civilization	Unit-II Buddhist, Jain and Hindu art (Including all previous)	Unit-III South Indian Temples Sculpture	Unit-III South Indian Bronze Sculpture and Architecture (Including all previous)
Painting Practical	3 Landscape (In shading)	1. Landscape (shading) 2. Object study	2. Object study (shading)	1. Landscape 2. Object study

EXAMINATION XI

Term	Exam/Test	Tentative Date	Max. Marks
I	I Periodic Test	3rd Week of July	20
	Half Yearly	3rd Week of September	60
II	II Periodic Test	4th Week of November	20
	Annual	1st Week of March	100

SCHEDULE FOR PERIODIC TEST

Class: XI

Maximum Marks: 20

Duration: 1Hr.

Test	I Periodic Test	II Periodic Test
Subjects		
Physics/Accountancy	16/07/2018	26/11/2018
English	23/07/2018	01/12/2018
Mathematics	30/07/2018	03/12/2018
Biology/Economics	10/08/2018	08/12/2018
P. Ed./Painting/Computer. Sc.	13/08/2018	10/12/2018
Chemistry/B. St.	20/08/2018	17/12/2018

Note: Date of course completion is one week before the Exam/Test held in the subject.

Pass & Promotion Criteria for Class XI

1. A student will have to obtain at least 33% marks finally to get clear PASS in each subject separate in Theory & Practical of each exam./test.
2. Minimum qualifying grade is D in W.E., P. & H.ED. & General Studies.
3. It is compulsory for all the students to appear in all the tests/examinations conducted by the school. No exemption shall be allowed even on medical ground.
4. The promotion of child to the next class will depend upon his/her cumulative performance during the entire academic session.