



# G D GOENKA PUBLIC SCHOOL, JAMMU

(Governed by Om Prakash Bansal Charitable Trust Regd.)

## MONTHLY/YEARLY SYLLABUS BREAKUP

**CLASS: XI**

**SUBJECT: ENGLISH**

CT-1	APRIL	<u>Hornbill:</u> The Portrait of a lady(Prose),,A Photo graph(poem)
	MAY	Snapshot: The Summer of the Beautiful Horse(Prose) <u>Hornbill:</u> We're Not Afraid to Die.....(Prose) Grammar: Editing & Omission, Sentence Reordering Writing Skills: Letter of Enquiry & Complain, Article writing
ACTIVITY BASED ASSESSMENT I	JULY	<u>Hornbill:</u> Discovering Tut: The Saga continues(Prose) The laburnum Top. (poem) Snapshot: The Address(Prose) (Prose),
	AUGUST	Snapshot: Ranga's Marriage(Prose), Albert Einstein at School(Prose) Writing Skills:Note Making, Notice, Letter to the editor Grammar:Reported Speech
MID-TERM EXAMS	SEPTEMBER	Revision & Exams

CT-2	OCTOBER	Snapshot: Mother's Day(Prose), The Ghat of the only world(Prose) <u>Hornbill:</u> Landscape of the soul(Prose) , The Voice of the Rain, (poem) Writing Skills: Classified Advertisement, Report Writing Grammar: Cloze, Integrated grammar
	NOVEMBER	Snapshot: Birth(Prose),, The Tale of Melon City(poem) <u>Hornbill:</u> The Browning Version(Prose), Childhood(poem) Writing Skills: Speech Writing Grammar: Integrated grammar
	DECEMBER	<u>Hornbill:</u> The Adventure, Silk Road(Prose) Writing Skills: Revision Grammar: Integrated grammar
	JANUARY	<u>Hornbill:</u> Father to Son(poem) Writing Skills: Revision Grammar: Integrated grammar
	FEBRUARY	REVISION
FINAL EXAMS	MARCH	FINALS



## MONTHLY SYLLABUS BREAKUP

CLASS: 11<sup>th</sup>

SUBJECT: CHEMISTRY

		Units	Practicals
CT-1	APRIL	Unit I: Some Basic Concepts of Chemistry	<i>Basic Laboratory Techniques</i> 1 - Cutting glass tube and glass rod 2 - Bending a glass tube 3 - Drawing out a glass jet 4 - Boring a cork
	MAY	Unit II: Structure of Atom	<i>Characterization and Purification of chemical Substances</i> 1 - Determination of melting point of an organic compound. 2 - Determination of boiling point of an organic compound. 3 - Crystallization of impure sample of of Copper Sulphate,
	JULY	Unit III: Classification of Elements and Periodicity in Properties  Unit IV: Chemical Bonding and Molecular Structure	Determination of melting point of an organic compound Determination of boiling point of an organic compound  Using a chemical balance.

	AUGUST	Unit V: States of Matter: Gases and Liquids  Unit VI: Chemical Thermodynamics	Preparation of standard solution of Oxalic acid.  Determination of strength of a given solution of Sodium Hydroxide by titrating it against standard solution of Oxalic acid. Preparation of standard solution of Sodium Carbonate. Determination of strength of a given solution of Hydrochloric acid by titrating it against standard Sodium Carbonate solution.
MIDTERM EXAMS	SEPTEMBER	Unit VII: Equilibrium  Unit VIII: Redox Reaction	<i>Chemical Equilibrium</i>  (a) Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions.
	OCTOBER	Unit IX: Hydrogen  Unit X: s -Block Elements (Alkali and Alkaline Earth Metals)	<i>Experiments based on pH</i>  • Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.
	NOVEMBER	Unit XI: Some p -Block Elements	<i>Qualitative Analysis</i>  (a) Determination of one anion and one cation in a given salt  Cations – $Pb^{+}$ , $Cu^{2+}$ , $As^{3+}$ , $Fe^{3+}$ , $Mn^{2+}$ , $Ni^{2+}$ , $Zn^{2+}$ , $Co^{2+}$ , $Ca^{2+}$ , $Sr^{2+}$ , $Ba^{2+}$ , $Mg^{2+}$ , $NH_4^{+}$

			Anions – $\text{CO}_3^{2-}$ , $\text{S}^{2-}$ , $\text{SO}_3^{2-}$ , $\text{SO}_4^{2-}$ , $\text{NO}_2^-$ , $\text{Cl}^-$ , $\text{Br}^-$ , $\text{I}^-$ , $\text{PO}_4^{3-}$ , $\text{C}_2\text{O}_4^{2-}$ , $\text{CH}_3\text{COO}^-$
	DECEMBER	Unit XII: Organic Chemistry - Some Basic Principles and Technique	Detection of -Nitrogen, Sulphur, chlorine in organic compounds.
	JANUARY	Unit XIII: Hydrocarbons Unit XIV: Environmental	
	FEBRUARY	Revision examination	
FINAL EXAMS	March	Final exams	



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## SYLLABUS 2018-19 (CLASS-XI)

### MATHEMATICS

CT1 CHAPTER – 1        SETS CHAPTER – 2        RELATIONS AND FUNCTIONS CHAPTER – 6        LINEAR INEQUALITIES	CT2 CHAPTER – 9    SEQUENCES AND SERIES CHAPTER – 10    STRAIGHT LINES CHAPTER – 11    CONIC SECTIONS CHAPTER -12     THREE DIMENSIONAL GEOMETRY
MID TERM  CHAPTER – 1        SETS CHAPTER – 2        RELATIONS AND FUNCTIONS CHAPTER – 3        TRIGONOMETRY CHAPTER – 4        PMI CHAPTER – 5        COMPLEX NUMBERS AND QUADRATIC EQUATIONS CHAPTER – 6        LINEAR INEQUALITIES CHAPTER – 7        PERMUTATIONS AND COMBINATIONS CHAPTER – 8        BINOMIAL THEOREM	FINAL EXAMS CHAPTER – 1        SETS CHAPTER – 2        RELATIONS AND FUNCTIONS CHAPTER – 3        TRIGONOMETRY CHAPTER – 4        PMI CHAPTER – 5        COMPLEX NUMBERS AND QUADRATIC EQUATIONS CHAPTER – 6        LINEAR INEQUALITIES CHAPTER – 7        PERMUTATIONS AND COMBINATIONS CHAPTER – 8        BINOMIAL THEOREM CHAPTER – 9        SEQUENCES AND SERIES CHAPTER – 10      STRAIGHT LINES CHAPTER – 11      CONIC SECTIONS CHAPTER – 12      THREE DIMENSIONAL GEOMETRY CHAPTER – 13      LIMITS AND DERIVATIVES CHAPTER – 14      MATHEMATICAL REASONING CHAPTER – 15      STATISTICS CHAPTER – 16      PROBABILITY



## MONTHLY SYLLABUS BREAKUP (2018-19)

CLASS: 11<sup>th</sup>

SUBJECT: PHYSICS

MONTHS	UNITS	PRACTICALS
APRIL	Unit I (A): PHYSICAL WORLD AND MEASUREMENT	<b><u>SECTION - A</u></b> 1. To measure diameter of a small spherical/cylindrical body using Vernier callipers. 2. To measure internal diameter and depth of a given beaker/calorimeter using Vernier callipers and hence find its volume.
MAY	Unit I (B): MATHEMATICAL TOOLS	3. To measure diameter of a given wire using screw gauge. 4. To measure thickness of a given sheet using screw gauge. 5. To measure volume of an irregular lamina using screw gauge.
JULY	Unit II(A) : MOTION IN A STRAIGHT LINE Unit II(B) : MOTION IN A PLANE	6. To determine radius of curvature of a given spherical surface by a spherometer. 7. To determine the mass of two different objects using a beam balance. 8. To find the weight of a given body using

		parallelogram law of vectors.
AUGUST	Unit III: LAWS OF MOTION Unit VI: WORK, ENERGY AND POWER	10. To study the relationship between force of limiting friction and normal reaction and to find the coefficient of friction between a block and a horizontal surface. 11. To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination ( $\theta$ ) by plotting graph between force and $\sin \theta$ .
SEPTEMBER	Unit V: ROTATIONAL MOTION OF RIGID BODIES Unit VI: GRAVITATION	9. Using a simple pendulum, plot L-T and L-T <sup>2</sup> graphs. Hence find the effective length of a second's pendulum using appropriate graph.
OCTOBER	Unit VII: BULK PROPERTIES OF MATTER	. <b><u>SECTION - B</u></b> 1. To determine Young's modulus of elasticity of the material of a given wire. 2. To find the force constant of a helical spring by plotting a graph between load and extension.

	<p style="text-align: center;">NOVEMBER</p>	<p>Unit VIII: THERMODYNAMICS</p> <p>Unit IX: KINETIC THEORY OF GASES</p>	<p>3. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.</p> <p>4. To determine the surface tension of water by capillary rise method.</p> <p>5. To determine the coefficient of viscosity of a given viscous liquid by measuring the terminal velocity of a given spherical body.</p> <p>6. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.</p>
	<p style="text-align: center;">DECEMBER</p>	<p>Unit X: OSCILLATION AND WAVES</p>	<p>7. To determine specific heat capacity of a given (i) solid (ii) liquid, by method of mixtures.</p> <p>8. (i) To study the relation between frequency and length of a given wire under constant tension using sonometer.</p> <p>(ii) To study the relation between the length of a given wire and tension for constant frequency using sonometer.</p> <p>9. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.</p>

	JANUARY	REVISION AND PRACTICAL EXAMINATION
	FEBRUARY	REVISION EXAMINATION
	MARCH	FINAL EXAMS



## MONTHLY/YEARLY SYLLABUS BREAKUP

CLASS: XI

SUBJECT: IP

CT-1	APRIL	Ch 1: Hardware concepts
	MAY	Ch2: Software concepts Ch 10: DBMS concepts Ch11: Introduction to MYSQL
ACTIVITY BASED ASSESSMENT I	JULY	Ch 11: Introduction to MYSQL Ch12: Simple queries in SQL
	AUGUST	Ch13: MySQL functions Ch 14: Table creation and data manipulation commands
MID-TERM EXAMS	SEPTEMBER	Ch 1 , Ch2 , Ch 10, Ch 11 , Ch 12, Ch 13 , Ch 14 Ch 15: IT Applications

CT-2	OCTOBER	Ch3: Getting started with programming using IDE Ch 4: Programming fundamentals
	NOVEMBER	Ch 4: Programming fundamentals Ch 5: Flow of control Ch 6 : Java IDE programming I

	DECEMBER	Ch 6 : Java IDE programming I Ch 7: Java IDE programming II
	JANUARY	Ch 8 : Java IDE programming III Ch 9: Programming guidelines
	FEBRUARY	Revision
FINAL EXAMS	MARCH	Ch1, ch2, ch3 , ch4, ch5, ch6 ,ch7 ,ch8 , ch9 , c10, ch11, ch12 ,ch13, ch14, and ch15



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CLASS: XI

SUBJECT: PHYSICAL EDUCATION

<b>CT-1</b>	APRIL	<b>Unit-I : Changing Trends &amp; Career In Physical Education</b>
	MAY	<b>Unit-I : Changing Trends &amp; Career In Physical Education</b> <b>Unit-II : Olympic Movement</b> <b>HOLIDAY HOME WORK: PREPARE PRACTICAL FILE.</b>
	JULY	<b>Unit-III : Physical Fitness, Wellness &amp; Lifestyle</b>
	AUGUST	<b>Unit-IV : Physical Education &amp; Sports for Differently Abled</b> <b>Unit-V : Yoga</b> <b>Unit-VI : Physical Activity &amp; Leadership Training</b>
<b>MID-TERM EXAMS</b>	SEPTEMBER	<b>Unit-VII : Test, Measurement &amp; Evaluation</b> -(REVISION FOR EXAMINATION) -PRACTICALS
<b>CT-2</b>	OCTOBER	<b>Unit-VIII: Fundamentals Of Anatomy &amp; Physiology</b> <b>Unit-IX : Kinesiology, Biomechanics &amp; Sports</b>
	NOVEMBER	<b>Unit-X : Psychology &amp; Sports</b> <b>Unit-XI : Training In Sports</b>
	DECEMBER	<b>Unit-XII : Doping</b> -(REVISION FOR EXAMINATION) -PRACTICE FOR ANNUAL PRACTICAL'S
<b>FINAL EXAMINATION</b>	JANUARY	-(REVISION FOR EXAMINATION) -PRACTICE FOR ANNUAL PRACTICAL'S
	FEBRUARY	-(REVISION FOR EXAMINATION) -PRACTICE FOR ANNUAL PRACTICAL'S <b>FINAL EXAMINATION BEGINS</b>



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## MONTHLY/YEARLY SYLLABUS BREAKUP

**CLASS: XI  
BIOLOGY**

**SUBJECT:**

CT-1	APRIL	1. Living World 2. Biological Classification
	MAY	1. Plant Kingdom 2. Animal Kingdom
ACTIVITY BASED ASSESSMENT I	JULY	1. Morphology of flowering plants 2. Anatomy of flowering plants 3. Structural Organisation in Animals
	AUGUST	1. Cell: Unit of life 2. Cell cycle and Cell Division 3. Biomolecules
MID-TERM EXAMS	SEPTEMBER	Revision
CT-2	OCTOBER	1. Digestion and Absorption 2. Breathing and Exchange of gases 3. Body fluids and circulation 4. Locomotion and Movement
	NOVEMBER	1. Excretory products and their elimination 2. Neural control and Co-ordination 3. Chemical control and coordination
	DECEMBER	1. Transport in Plants 2. Mineral Nutrition 3. Plant growth and development
	JANUARY	1. Photosynthesis in higher plants 2. Respiration in Plants
	FEBRUARY	Revision
FINAL EXAMS	MARCH	

