

# GURU GOBIND SINGH PUBLIC SCHOOL

SPLIT UP OF SYLLABUS [SESSION 2023-24]

CLASS- X

SUBJECT: ENGLISH

Prescribed Books

1. First Flight
2. Footprints Without Feet
3. Words and Expressions 2- Workbook in English for class X

Publisher

N.C.E.R.T  
N.C.E.R.T  
N.C.E.R.T

Month	Working Days	Chapter/Topics	Project / Activity
April	17	Literature- Book 1- First Flight Ch-1. A Letter To God 2. Nelson Mandela: Long Walk To Freedom 3. Two Stories About Flying: i) His First Flight Poems- *Dust Of Snow *Fire And Ice *A Tiger In The Zoo  Book 2- Footprints Without Feet Ch- 1. A Triumph of Surgery 2. The Thief's Story  Writing Section- Letter To The Editor Grammar Section- Determiners WB: Unit 1	
May & June	10+9	Lit- Book 1- First Flight Ch- 3. Two Stories About Flying ii) Black Aeroplane Ch-4. From The Diary Of Anne Frank Poems- * How To Tell Wild Animals *The Ball Poem *Amanda  Book 2- Footprints Without feet Ch- 2. The Thief's Story (Cond.)  Writing Section- Order Placement Letter Grammar Section-Modals,Prepositions WB: Unit 2&3	Art Integrated Project
July	20	Lit- Book 1- First Flight Ch- 7. Glimpses Of India i) A Baker from Goa Book 2-Footprints Without feet Ch- 3. The Midnight Visitor Ch-4. Question of Trust  Writing Section- Complaint Letter WB: Unit 4&5 Grammar Section- Tenses	

August	21	Lit- Book 1- First Flight Ch- 7. Glimpses Of India ii) Coorg iii) Tea From Assam Ch- 8. Mijbil- The Otter Poems- * The Trees • Fog Book 2-Footprints Without feet Ch- 5. Footprints Without feet Ch- 6. The Making Of A Scientist  Writing Section- Enquiry Letter Grammar Section- Reported Speech WB: Unit 6&7	Assessment of Listening and Speaking skills
September	09	Revision And Half Yearly Exam	
October	17	Lit- Book 1- First Flight Ch- 9. Madam Rides The Bus Ch- 10. The Sermon At Benares Poems- * The Tale of Custard The Dragon • For Anne Gregory Book 2-Footprints Without feet Ch- 7. The Necklace Writing Section- Letter to the Editor Grammar Section- Subject-verb Agreement WB: Unit 8&9	Art Integrated Project
November	14	Lit- Book 1- First Flight Ch- 11. The Proposal Book 2- Footprints Without Feet Ch- 9. Bholi Ch-10. The Book That saved The Earth  Writing Section- Revision Grammar Section- Active & Passive voice WB: Unit 10&11	Assessment of Listening and Speaking skills
December	15	Revision And Pre-Board Exam	
January	18	Revision And Pre-Board Exam	

## हिंदी Course A(002)

पाठ्यक्रम वर्ष—2023-2024

पुस्तकों के नाम - (1) क्षितिज भाग 2, (2) कृतिका भाग 2, (3) व्याकरण-  
हिंदी व्याकरण एवं रचना। (साँविनिर)

पाठ्यक्रम का मासिक विभाजन:---

Month's Name	No. of Working days	Chapters	Project/ Assignment
अप्रैल	17	गद्य पाठ-- नेताजी का चश्मा, पद्य पाठ--- सूरदास के पद, व्याकरण --अपठित पद्यांश, अपठित गद्यांश, पद परिचय, पत्र लेखन	
मई	10	गद्य पाठ-- बालगोबिन भगत, कृतिका--माता का अंचल व्याकरण--पद परिचय, निबंध लेखन	
जून	09	पद्य पाठ-- राम लक्ष्मण परशुराम संवाद व्याकरण-- रचना के आधार पर वाक्य भेद	परियोजना कार्य सामाजिक पृष्ठभूमि से रामायण एवं महाभारत का तुलनात्मक अध्ययन करें। (पृष्ठभूमि, रचना काल, भाषा, नैतिक शिक्षा
जुलाई	20	गद्य पाठ - लखनवी अंदाज पद्य पाठ- राम लक्ष्मण परशुराम संवाद, आत्मकथ्य, उत्साह कृतिका -साना- साना हाथ जोड़ि व्याकरण अलंकार, संदेश लेखन	
अगस्त	21	गद्य पाठ --पुनरावृत्ति कार्य, पद्य पाठ --अट नहीं रही है कृतिका :- साना- साना हाथ जोड़ि व्याकरण -- वाच्य, विज्ञापन लेखन	
सितंबर	09	गद्य पाठ --पुनरावृत्ति कार्य, पद्य पाठ --यह दंतुरित मुसकान, कृतिका - पुनरावृत्ति कार्य व्याकरण --ईमेल लेखन	
<b>अर्धवार्षिक परीक्षा</b>			
अक्टूबर	17	गद्य पाठ-- एक कहानी यह भी, पद्य पाठ --फसल कृतिका -साना साना हाथ जोड़ि व्याकरण --स्ववृत्त लेखन, अपठित गद्यांश, पत्र लेखन (औपचारिक और अनौपचारिक)	परियोजना कार्य झारखंड के मुख्य उद्योगों की संक्षिप्त जानकारी

नवंबर	14	गद्य पाठ-- नौबत खाने में इबादत, संस्कृति, पद्य पाठ --संगतकार कृतिका --में क्यों लिखता हूं व्याकरण --वाच्य परिवर्तन, अपठित पद्यांश	
दिसंबर	15	गद्य ,पद्य, कृतिका, व्याकरण पुनरावृत्ति कार्य	
जनवरी	18	पुनरावृत्ति कार्य प्राक् बोर्ड परीक्षा नोट-- संपूर्ण पाठ्यक्रम वार्षिक परीक्षा में सम्मिलित है।	
फरवरी	11		

नोट:-सीबीएसई के द्वारा नवीन पाठ्यक्रम मिलने के उपरांत इस पाठ्यक्रम में फेरबदल संभव है।



**संस्कृत पाठ्यक्रम 2023-2024**  
**कक्षा-दशमी**

**निर्धारित पुस्तकानि :- पाठ्यपुस्तकानि**

1. संस्कृतमणिका – पाठ्यपुस्तकम् भाग:-2 प्रकाशनम्: रा० शै० प्र० अनु० परि०।
2. संस्कृत व्याकरण – सरस्वती मणिका व्याकरण भाग:-2, सरस्वती पब्लिकेशन

पाठ्यक्रम का मासिक विभाजन:-

अप्रैल (17)

: पाठ्यपुस्तकात् – प्रथमः पाठः – वाङ्मयं तपः द्वितीयः पाठः – नास्ति त्यागसमं सुखम् सरलार्थम्, पाठाभ्यास कार्यम्, प्रसङ्गानुसारम्, अर्थचयनम् कुरुत

व्याकरणानि : अपठितं गद्यांशं, पत्र लेखनं, चित्रलेखनम्, वाक्यसंशोधनम्, अभ्यासकार्यम्।

मई (10)

: पत्रलेखनम् अभ्यासकार्यम्, चित्रवर्णनम् अभ्यासकार्यम्, अपठित गद्यांशं पठित्वा प्रश्नान् उत्तरत।

पाठ्यपुस्तकात् – तृतीयः पाठः – रमणीया हि सृष्टिः एषा, सरलार्थम्, पाठाभ्यास कार्यम्,

व्याकरणानि : संवाद लेखनं/कथापूर्तिः, पाठात् कथापूर्तिः, अन्वयः/भावार्थम् गतिविधि कार्यम्

गतिविधि कार्यम् – ‘वाङ्मयं तपः’ पाठस्य आधारे मातुः सरस्वत्यै सचित्रं वर्णनं। पञ्च श्लोकान् लिखत च।

**परियोजना कार्यम्**

परियोजना कार्यम् – झारखण्ड राज्यं तेलंगानां राज्यं “ भोजनम् कला संस्कृति विषयै तुलनात्मकं अध्ययनम्”।

जून (9)

: पाठ्यपुस्तकात् – चतुर्थः पाठः – ‘आज्ञा गुरुणां हि अविचारणीया’ – सरलार्थम्, पाठाभ्यासम्, पाठाधारितम् गद्यांशं

व्याकरणानि

: समास प्रकरणात् : तत्पुरुष – विभक्तिः, नञ्, उपपदः  
द्वन्द्वः समासः (तस्य भेदाः) उदाहरणानि।  
अव्ययीभावः (अनु, उप, सह, निर, प्रति, यथा)

जुलाई (20):

पाठ्यपुस्तकात् – पंचम पाठः – अभ्यासवशंगं मनः, सरलार्थम्, पाठाभ्यासम्, पाठाधारितम् गद्यांशं, पद्यांशं, नाट्यांशं

पठित्वा प्रश्नान् उत्तरत। प्रश्ननिर्माणम्।

व्याकरणानि : सन्धिकार्यम् – स्वरसन्धिः (वृद्धिः, यण, अयादिः, पूर्वरूपम्)

व्यंजनसन्धिः परसवर्णः (अनुस्वारस्थाने पंचमवर्णस्य प्रयोगः), तुगागमः, वर्गीयप्रथमवर्णस्य तृतीयवर्णे परिवर्तनम्

विसर्गसन्धिः उत्त्व, रुत्व, विसर्गलोपः, विसर्गस्य स्थाने स, श, ष। समय निर्धारणम्।

- अगस्त (21): पाठ्यपुस्तकात् – षष्ठः पाठः “राष्ट्रं संरक्षणमेव हि” सरलार्थम्, पाठाभ्यासम्, ।  
व्याकरणानि : अव्ययानि – इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः,  
इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, यावत्, बहिः, कदापि, च, अपि,  
पुरा, अत्र-तत्र, यथा-तथा, कदा, श्वः, ह्यः किमर्थम्, कुत्र  
वाच्यपरिवर्तनम् – केवलं लट्लकारे (कर्तृ-कर्म-क्रिया)  
प्रत्ययाः – तद्धिताः (मतुप, ठक्, त्व, तल्)  
स्त्रीप्रत्ययौ – (टाप्, डीप्)
- सितम्बर (9): पर्यायपदानां विलोम पदानां वा मेलनम् अथवा वाक्येषु प्रयोगः। अशुद्धि  
संशोधनम्। पठित-व्याकरणस्य पुनरावृत्ति कार्यम्। पाठात् – नाट्यांश, श्लोकांश  
अर्द्धवार्षिकी परीक्षायाः शुभारम्भः,
- अक्टूबर (17): पाठ्यपुस्तकात् – सप्तमः पाठः-साधुवृत्तिं समाचरेत् सरलार्थम्/पाठाभ्यासम्,  
अष्टमः पाठः “तिरुक्कुरल सूक्ति-सौरभम्” सरलार्थम्/पाठाभ्यासम्,  
संस्कृतव्याकरणात् – सन्धिः, समासः, प्रत्ययः, अव्ययः, वाच्यम् इत्येषां पुनरावृत्ति  
कार्यम्। पत्रलेखनाभ्यासम् औपचारिकम् अनौपचारिकम्, चित्रवर्णनम् अथवा  
अनुच्छेदलेखनम् अभ्यास-कार्यम् अशुद्धि-संशोधनम्
- नवम्बर (14): पाठ्यपुस्तकात्- नवमः पाठः-सुस्वागतं भो! अरुणाचलेऽस्मिन्, सरलार्थम्/पाठाभ्यासम्,  
दशमः पाठः – “कालोऽहम्” (केवलम् आंतरिक मूल्यांकनाय)  
एकादशः पाठः-किं किं उपादेयम् (केवलम् आंतरिक मूल्यांकनाय)  
सरलार्थम् पाठाभ्यासम् च, प्रश्ननिर्माणम्, गद्यांशं, पद्यांशं, नाट्यांशं पठित्वा  
प्रश्नान् उत्तरत अभ्यास कार्यम्। सम्पूर्णपाठ्यक्रमस्य पुनरावृत्ति कार्यम्  
समयलेखनम् वाक्यसंशोधनं च।
- दिसम्बर (15): पुनरावृत्ति कार्यम् द्रुतगत्या,  
प्राक्बोर्ड परीक्षायाः शुभारम्भः,
- जनवरी (18) : प्राक् बोर्ड परीक्षायाः शुभारम्भः,
- फरवरी (11) : वार्षिकीपरीक्षा  
“इति शुभम्”



SPLIT UP OF SYLLABUS [SESSION 2023-24]

**SUBJECT: MATHEMATICS**

Prescribed Books

1. Text book of N.C.E.R.T

Publisher

N.C.E.R.T

Month	No. of Working Days	Chapters to be covered	Activity/Projects
April	17	<b>1. Real Number:</b> Fundamental Theorem of arithmetic ,proof of result –irrationality of $\sqrt{2}, \sqrt{3}, \sqrt{5}$ ,terminating/Non terminating decimals, Relation between HCF ,LCM and Two numbers. <b>2. Polynomials:-</b> Zeroes of polynomials relationship between zeroes and co-efficients of quadratic . <b>3. Pair of Linear Equations in two variables:</b> Introduction , Graphical solution ,Geometric representation of different possibilities of solution inconsistency.	Activity : To find H.C.F and L.C.M
May	10	Substitution , elimination method . cross multiplication method & word problems. Simple situational problems and equations reducible to pair of linear equations.	Activity to verified the conditions of consistency /Inconsistency for pairs of linear equation in two variables by graphical method.
June	09	<b>6.Triangle :</b> Introduction ,Thales theorem, Similar figure of criterias.	
July	20	<b>8. Introduction to Trigonometry:</b> T-ratios,T-ratios of some specific angles, geometric proof of T-ratios f $30^\circ, 45^\circ$ & $60^\circ$ , Relationship between the ratios Proof and applications of the T- identities <b>9. Height &amp; distance :</b> Simple problem on height & distance which involves not more than two right angles .Angle of elevation /depression should be only $30^\circ, 45^\circ, 60^\circ$ .	
Aug	21	<b>14. Statistics:</b> Mean , Median, Mode of Grouped data ,cumulative frequency <b>15. Probability:</b> classical def <sup>n</sup> , simple problems on single events not using set notation. <b>7. Co – ordinate Geometry:-</b> Lines (In two –dimensions),distance between two points. Section formula (internal),	Activity based on distance formula by graphical method.
Sep	09	<b>Revision of Half – Yearly</b> <b>10. Circles :</b> Tangent to circle motivated by chords ,Theorems.	
Oct	17	<b>4.Quadratic Equation :</b> Standard form of Quadratic Equation $ax^2+bx+c=0$ solution by factorization & by the quadratic formula. Relation between discriminant & nature of roots. Situational problems based on Quadratic Equation. <b>5 .Arithmetic Progression:</b> Derivation of standard result of finding the nth term &sum of first n term & their application in solving daily life problem.	Activity based on A.P sum of first n natural numbers
Nov	14	<b>12. Area related to circles:</b> Area of sectors &segment ,problems on areas & perimeter circumference of the said plane figure involving triangles. <b>13 - Surface Area &amp;Volume:</b> Surface Area &Volume of combination of any two or more shapes.	
Dec	15	<b>Revision for Board Exam</b>	

# Syllabus \_2023 – 24

Class: Xth

Subject: Physics

Book Prescribed :NCERT–X

Month's Name	No. of working days	Chapter	Content/ Subtopic in detail	Project/Assignment
<b>TERM-I</b>				
April	17	Light – Reflection and Refraction:	Introduction of Light, Reflection of light, plane mirror and spherical mirror, image formation by plane mirror, and spherical mirror, Centre of curvature, principal axis, principal focus, focal length. Mirror formula. Sign convention for reflection by spherical mirror,	find the focal length of concave mirror and convex lens by obtaining the image of a distant object.
May	10	Light–Reflection and Refraction:	Mirror formula and Magnification.	
June	09	Light – Reflection and Refraction:	Laws of Refraction of light, Refractive index, Refraction of spherical lens, Image formation by lenses, ray diagram, sign convention for spherical lenses. Lens formula & its magnification. Power of a lens. Refraction through glass lab.	To trace the path of rays of light Through a glass lab.
July	20	Light – Reflection and Refraction:  The Human eye and the colourful world.	Sign convention for lenses, lens formula and magnification, Power of a lens. The Human eye and the colourful world –The Human eye, Power of accommodation, Defect of vision and their corrections, working of human eye, persistence of vision viewing different colours: Power of accommodation of human eye. Refraction of light through a prism, Dispersion of white light by a glass prism, composition of white light. Visible spectrum, causes of Dispersion, Recombination of spectrum, colours, To show refraction through prism rainbow. Scattering of light, examples of the scattering of light.	Refraction of light through glass prism.
August	21	Electricity: Electric current and circuit	Electric potential and potential difference, circuit diagram, Ohm's Law. Resistance, factors on which it depends, resistance of a system of resistances. Resistors in Series and parallel combination of resistors and its application. Heating effect of electric current, and practical applications of Heating effect of electric current, electric power.	To study the dependence of potential difference (V) across a resistor on their current I passing through it & determine its resistance. Also plot the graph between V–I.
September	09		<b>Revision</b> <b>Half Yearly Examination + Discussion</b>	



October	17	Magnetic Effects of Electric Current:	Magnetic field, field lines, Magnetic field due to a current carrying conductor, coil, solenoid. Force exerted by a current carrying conductor placed in a Uniform magnetic field, Right hand thumb rule, Fleming's left and right hand rule, electromagnetic induction, induced Potential difference, Induced current,	To determine the equivalent resistance of two resistor when connected in Series.
November	14	Magnetic Effects of Electric Current: (Contd.)	Domestic electric circuits, Direct current, Alternating current, Frequency of AC, Advantage of AC over DC And Domestic Circuit.	To determine the equivalent resistance of two resistor when connected in Parallel.
December	15		<b>Revision for Board Exam,</b>	
January	18		<b>Revision &amp; Pre-board Exam conducted</b>	
February	11		<b>Pre-board – II Exam conducted</b>	



# Guru Gobind Singh Public School

## Sector V/B S City

Syllabus

Std X

2023-24

### CHEMISTRY

Month	No of Working days	Chapters to be covered	Practical / Activities
April	17	<p><b>Chemical Reactions and Equations</b></p> <ol style="list-style-type: none"> <li>1. Chemical equation</li> <li>2. Types of Chemical reactions - combination, decomposition, displacement. double displacement, oxidation and reduction</li> <li>3. Effect of oxidation reactions in everyday life-corrosion, rancidity</li> </ol> <p><b>Practical:</b></p> <ol style="list-style-type: none"> <li>1. To study and classify different types of chemical reactions.               <ol style="list-style-type: none"> <li>i. Combination</li> <li>ii. Decomposition</li> <li>iii. Displacement</li> <li>iv. Double-displacement</li> </ol> </li> </ol>	<p>To find the pH value of different solution:</p> <ol style="list-style-type: none"> <li>1. Dilute HCl</li> <li>2. Dilute NaOH</li> <li>3. Water</li> <li>4. Dilute <math>\text{NaHCO}_3</math> solution.</li> <li>5. Lemon juice.</li> </ol>
May	10	<p><b>Acids, Bases and Salts- up to acid only</b></p> <ol style="list-style-type: none"> <li>1. Chemical Properties of acid</li> </ol>	
June	09	<p><b>Acids, Bases and Salts completed and revision</b></p> <ol style="list-style-type: none"> <li>1. chemical properties of bases</li> <li>2. Common in all acids and all bases</li> <li>3. How strong are acid and base solutions?</li> <li>4. Importance of pH in everyday life</li> <li>5. Salts-chemicals from common salt-preparation, uses like NaOH, <math>\text{CaOCl}_2</math>, <math>\text{NaHCO}_3</math>, <math>\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}</math>, <math>\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}</math></li> </ol> <p><b>Practical:</b></p> <ol style="list-style-type: none"> <li>1. To study pH value of different samples</li> </ol>	

July	20	<b>Metals and non –Metals</b> <ol style="list-style-type: none"> <li>1. Physical properties of metal</li> <li>2. Chemical properties of metal</li> <li>3. Reaction between metal and non-metal</li> <li>4. Properties of Ionic compound</li> <li>5. Occurrence of metal</li> <li>6. Extraction of metal</li> <li>7. Corrosion</li> <li>8. Prevention of corrosion</li> </ol> <b>Practical:</b> <ol style="list-style-type: none"> <li>1. To study the properties of acids and bases.</li> </ol>	
August	21	<b>Carbon and its Compounds</b> <ol style="list-style-type: none"> <li>1. Bonding in carbon-The covalent bond</li> <li>2. Versatile nature of carbon</li> <li>3. Saturated and unsaturated hydro carbon</li> <li>4. Homologous series</li> <li>5. Nomenclature of carbon compounds</li> <li>6. Chemical properties of carbon compound-combustion, oxidation, addition and substitution reaction.</li> </ol>	<b>To conduct different types of chemical reactions:</b> <ol style="list-style-type: none"> <li>1. Combination</li> <li>2. Decomposition</li> <li>3. Displacement</li> <li>4. Double-displacement</li> </ol>
September	09	<b>Carbon and its Compounds completed and revision</b> <ol style="list-style-type: none"> <li>1. Important carbon compound-ethanol and ethanoic acid</li> <li>2. Soaps and detergents</li> </ol> <b>Revision and half-yearly exam conducted.</b>	
October	17	<b>Soaps and detergents</b> <b>Revision and half-yearly exam conducted.</b>  <b>Practical:</b> <ol style="list-style-type: none"> <li>1. To study properties of Acetic Acid.</li> </ol>	

<b>November</b>	<b>14</b>	<b>Revision of carbon compounds.</b>  <b>Practical:</b> <b>1. To study the comparative cleansing capacity of a sample of soap in soft and hard water.</b>	<b>To study the properties of Acetic Acid.</b>
<b>December</b>	<b>15</b>	<b>Revision for board Exam</b>	
<b>January</b>	<b>18</b>	<b>Pre-board exam</b>	
<b>February</b>	<b>11</b>	<b>Pre-board / Annual Exam conducted</b>	

**Guru Gobind Singh Public School**  
**Sector V/B S City**

**Syllabus – Subject: Biology**  
**2023-24**

**Std X**

Months	No of working days	Chapter/ Topic	Content / Subtopic in detail Breakup of the chapters content wise.	Activity/Project
April	17	Life Process	What are life processes? , Nutrition in plants, Nutrition in amoeba and Nutrition in human being. Respiration— Aerobic and Anaerobic respiration, Break-down of glucose by various pathways. Respiration in plants, and Human respiratory system.	To prepare a temporary mount of a leaf peel to show stomata.
May	10		Transportation in animals and Transportation in plants. Introduction of Excretion.	
June	09	Life Process + Control and Co-ordination	Human excretory system- excretion completed. Revision. Control and co-ordination upto tropic movements in plants.	Experimentally show that carbon dioxide is given out during respiration.
July	20	Control and Co-ordination	Nastic movement in plants. Endocrine/hormonal system in human-control and co-ordination chapter completed. Revision of control and co-ordination.	
August	21	How do Organisms Reproduce?	Reproduction : DNA Copying, Asexual modes of reproduction, vegetative propagation in plants, Sexual reproduction in plants, Sexual reproduction in animals and Reproductive health - Reproduction chapter completed.	Make a model/chart to show different endocrine glands in human being.
September	09		<b>Revision and Half yearly</b>	

			<b>exam.</b>	
October	17	Heredity and Evolution	Heredity up to sex determination in human.	Studying (a) Binary fission in Amoeba and (b) Budding in Yeast with the help of prepared slides.
November	14	Our Environment	Our environment –Ecosystem , Food chains ,Food webs, 10 percent law for transfer of energy, Ozone layer and how it is getting depleted. and Managing the garbage we produce – our environment chapter completed.	Make a chart to show sex determination in human. To identify the different parts of an embryo of a dicot seed(Pea, Gram or Red kidney bean).
December	15		Revision and Pre-board exam	
January	18		Revision and Pre-board exam.	
February	11	-----	Revision and Pre-board exam.	



**SUBJECT : HISTORY, CIVICS AND ECONOMICS**  
**SPLIT UP OF SYLLABUS [SESSION 2023 - 2024]**

**PRESCRIBED BOOKS :**

**HISTORY:** India and the Contemporary world – II(NCERT)

**CIVICS:** Political Science Democratic Politics II (NCERT)

**ECONOMICS :** Understanding Economic Development.(NCERT)

Month's Name	No. of Working Days	Chapter/Topic	Content/Sub topic in detail /Map pointing	Experiment/Project/ Activity/Integrated teaching (Integrated syllabus)
<b>TERM-I</b>				
April	17	History Ch.1 The Rise of Nationalism in Europe  Political science Ch.1 Power Sharing  Economics	<ul style="list-style-type: none"> <li>• The French Revolution and the Idea of the Nation</li> <li>• The making of nationalism in Europe</li> <li>• The Age of Revolutions</li> <li>• The making of Germany and Italy</li> <li>• Visualizing the Nation</li> <li>• Nationalism and Imperialism</li> <li>• Belgium and Sri Lanka</li> <li>• Majoritarianism in Sri Lanka</li> <li>• Accommodation in Belgium</li> <li>• Forms of Power Sharing</li> <li>• What is Development</li> </ul>	1) Historical album on "The great nationalist of Europe. 2) Time-line chart on events of European national movement *Integration with visual Art-painting of Frederic Sorrieu and Romanticism. State the Prudential and moral reasons of power sharing
		Ch.1 Development	Promises-Different people, Different Goals. <ul style="list-style-type: none"> <li>• Income and other goals</li> <li>• National Development</li> <li>• How to compare different Countries or states</li> <li>• Income and other criteria/facilities</li> <li>• Sustainability of Development</li> </ul>	*Integration with geography for location of Sri Lanka and Belgium Do Activity table 1.5 and table 1.6. *Integration with Geography and Biology to know more about sustainable development
May	10	Political Science CH-2 Federalism	<ul style="list-style-type: none"> <li>• What is federalism?</li> <li>• What makes India a federal country?</li> <li>• How is federalism practiced?</li> <li>• Decentralization in India.</li> </ul>	Debate on the federal structure of Indian government. * Integration with history
June	09	History CH-2 Nationalism in India	<ul style="list-style-type: none"> <li>• The First World War, Khilafat and Non-cooperation</li> <li>• Differing strands within the movement</li> <li>• Towards Civil Disobedience</li> <li>• The sense of Collective Belonging</li> </ul>	Compare the images of Bharat Mata in this chapter with the image of Germania in CH-1 Map pointing *Integration with Geography For the location of congress sessions and nationalist movement at different places

July	20	History Ch.3 The making of a Global World	<ul style="list-style-type: none"> <li>• Subtopics:1 to 1.3</li> <li>• Pre modern world to Conquest, Disease and Trade</li> </ul>	Prepare a flow chart to show how Britain's decision to import food led to increases migration to America and Australia.
		<b><u>To be Evaluated in the Board Examination</u></b>	<b>For Inter Disciplinary Project:</b> <ul style="list-style-type: none"> <li>• Sub topics 2 to 4.4</li> <li>• The nineteenth century (1815-1914) to End of Bretton woods &amp; the beginning of "Globalisation."</li> </ul>	*Integration with Economic for making global world
		Political science Ch.3 Gender, Religion and Caste	<ul style="list-style-type: none"> <li>• Gender and politics</li> <li>• Religion, Communalism and Politics</li> <li>• Caste and politics</li> </ul>	Making album or collage on government policies regarding gender religion and caste
		Economics Ch.2 Sectors of the Indian Economy	<ul style="list-style-type: none"> <li>• Sectors of the Economic activities</li> <li>• Comparing the three sectors</li> <li>• Primary, Secondary and Tertiary sectors in India</li> <li>• Division of sectors as organized and unorganized</li> <li>• Sectors in terms of ownership: Public and Private sectors</li> </ul>	*Integration with history to know the rigid caste system Chart on loan activities of Bank A chart showing classification of various activities into primary, secondary and tertiary sector *Integration with geography to classify three sectors based on different activities Categories the working Conditions in organized and unorganized sectors.
		Economics Ch.3 Money and Credit	<ul style="list-style-type: none"> <li>• Money as a medium of Exchange</li> <li>• Modern forms of money</li> <li>• Loan activities of Banks</li> <li>• Two different credit situations</li> <li>• Caste and politics</li> </ul>	*Integration with mathematics calculation of interest rate on loan and deposits

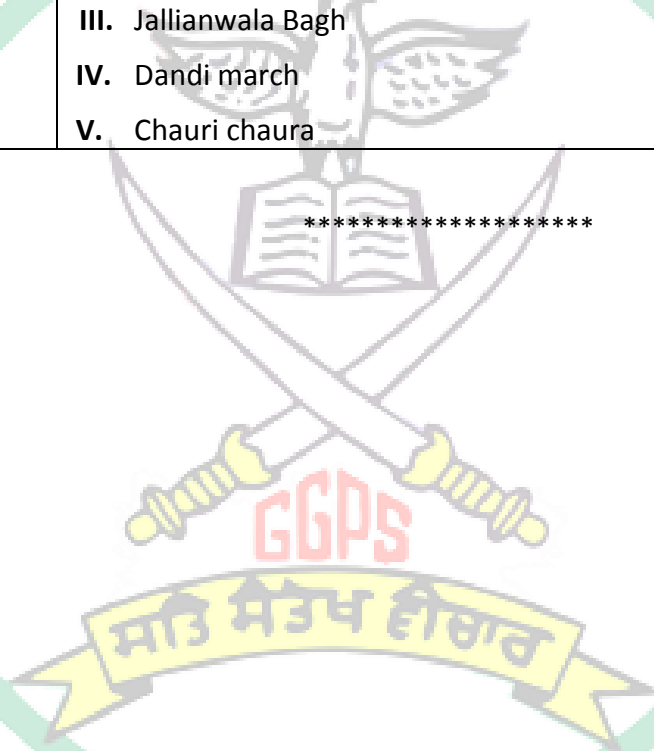
August	21	History Ch.4 The Age of Industrialization (To be assessed in the periodic assessment)	<ul style="list-style-type: none"><li>Before the Industrial Revolution</li></ul>	Select anyone industry in Your region and find out its history (including technology change availability of worker's advertisement policies)
			<ul style="list-style-type: none"><li>Hand labour and steampower</li></ul>	*Integration with Economic to know the impact of industrialization on world economy
			<ul style="list-style-type: none"><li>Industrialization in the cities</li></ul>	
			<ul style="list-style-type: none"><li>Factories come up</li></ul> The peculiarities of Industrial growth	
		Ch.4Political Parties	<ul style="list-style-type: none"><li>Why do we need political parties?</li><li>How many parties should we have?</li><li>National Political Parties</li><li>State Parties</li><li>Challenges to political parties</li><li>How can parties be reformed?</li></ul>	Collage work from Ch.5(It is only the part of project)- Showing Social movements and pressure groups trying to mobilize citizens in many ways. *Integration with history to know about the origin of political parties.
		Economics Ch. 4 Globalisation and the Indian Economy  <b><u>To be evaluated in the Board Examination</u></b>	<ul style="list-style-type: none"><li>What is Globalization?</li><li>Factors that have enabled Globalization</li></ul> For Inter Disciplinary project; <ul style="list-style-type: none"><li>Production across the countries</li><li>Chinese toys in India</li><li>World trade organization</li><li>The Struggle For a Fair Globalization</li></ul>	Prepare a chart on the role of WTO to promote globalization *Integration with geography to know about importance of foreign trade
September	09	Revision&Halfyearly Exams		
TERM-II				
October	17	History Ch. 5 Print culture and the modern world Political science Ch.5 Outcomes of Democracy	<ul style="list-style-type: none"><li>The first printed books</li><li>Print comes to Europe</li><li>The Print Revolution and its impact</li><li>How do we assess democracy's outcomes?</li></ul>	Debate on in favour and against of print culture *Integration with geography to know the origin and spread of print .  Debate on Democracy is the

			<ul style="list-style-type: none"> <li>Accountable, Responsive and Legitimate Government</li> <li>Economic growth and Development</li> <li>Reduction of inequality and poverty</li> <li>Accommodation of social diversity</li> <li>Dignity and freedom of the citizens</li> </ul>	<p>better than dictatorship</p> <p>*Integration with economic to know the economic outcomes of Democracy</p>
November	14	History Ch. 5 Print culture and the Modern world continued	<ul style="list-style-type: none"> <li>The Reading Mania</li> <li>The Nineteenth Century</li> <li>India and the World of Print</li> <li>Religious Reform and Public Debates</li> <li>New forms of publication</li> </ul>	Find out more about the changes in print technology in the last 100 years.
			<ul style="list-style-type: none"> <li>Print and censorship</li> <li>Thinking about challenges</li> <li>Different contexts, Different challenges</li> <li>Thinking about political reforms</li> </ul>	Fill the charts given in page no 106 and 107 showing different types of challenges to democracy
		Economics Ch. 5 Consumer Rights(Only for project)	<ul style="list-style-type: none"> <li>Redefining Democracy</li> <li>The Consumer in the market place</li> <li>Consumer movement</li> <li>Consumer Rights</li> <li>Taking the consumer movement forward</li> </ul>	<p>Prepare posters with catchy slogans like:</p> <ul style="list-style-type: none"> <li>An alert consumer is a sale consumer</li> <li>Buyers, Beware</li> <li>Consumers be cautious</li> <li>Be aware of your rights-</li> <li>As consumers, assert your rights</li> <li>Arise, awake and stop not till (Complete it)</li> </ul>
December	15	Revision and Mock Test /Pre-Board Examination		
January(18) & February (11)	18	Pre-Board and Remedial Classes <ul style="list-style-type: none"> <li>practice of CBSE sample question paper</li> <li>Revision of previous year's boards question paper</li> </ul>		

### LIST OF MAP ITEMS

Subject	Name of the Chapter	List of Areas to be pointed on the Map
History	Nationalism in India	<p><b>I. Congress sessions:</b></p> <ul style="list-style-type: none"> <li>• 1920 Calcutta</li> <li>• 1920 Nagpur.</li> <li>• 1927 Madras session,</li> </ul> <p><b>II. 3 Satyagraha movements:</b></p> <ul style="list-style-type: none"> <li>• Kheda</li> <li>• Champaran.</li> <li>• Ahmedabad mill workers</li> </ul> <p><b>III. Jallianwala Bagh</b></p> <p><b>IV. Dandi march</b></p> <p><b>V. Chauri chaura</b></p>

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**SUBJECT – GEOGRAPHY**  
**SPLIT UP OF SYLLABUS SESSION – 2023-24**

Prescribed book – Social Science, Contemporary India II

Publisher – NCERT

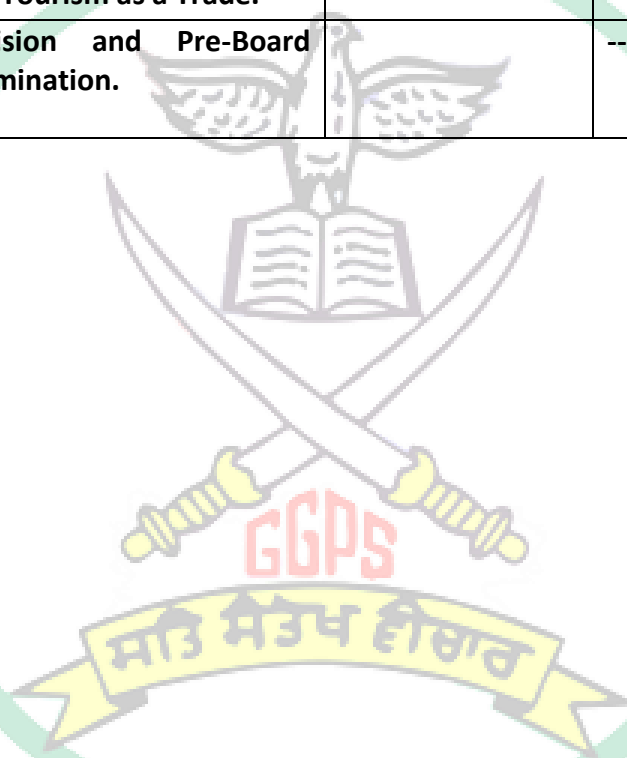
MONTHS	NO. WORKING DAYS	CHAPTERS TO BE COVERED	INTER-DISCIPLINARY STUDIES	PROJECT / ACTIVITIES
April	17	<p>1. a. Resource and Development.</p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Development of Resources</li> <li>- Resource Planning</li> <li>- Resource Planning in India</li> <li>- Conservation of Resources</li> </ul> <p>b. Land use and Soil Resources.</p> <ul style="list-style-type: none"> <li>- Land Utilisation</li> <li>- Land Use Pattern In India</li> <li>- Land Degradation And Conservation Measures</li> </ul> <p>Soil as a Resource</p> <ul style="list-style-type: none"> <li>- Classification of soils</li> <li>- Soil Erosion and conservation</li> </ul>	<p>Economics- Sustainable Development.</p> <p>Chemistry- Components of soil.</p>	<p>Draw a table or flow chart showing classification of resources. Draw a pie chart for land use pattern and India's waste land.</p> <p>Map skill – Types of Soil. Draw a diagram of a soil profile.</p> <p>Prepare a table on soil type, features and distribution.</p>
May	10	<p>Lesson 2 : Forest and Wildlife Resources.</p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Biodiversity.</li> <li>- Flora and Fauna In India</li> <li>- Classification of Species</li> <li>- Case Study on Asiatic Cheetah</li> <li>- Case Study On Himalayan Yew</li> <li>- Reasons of Destruction of Forest and Wildlife Resources</li> <li>- Conservation of Forests and Wildlife in India</li> <li>- Case Study on Project</li> </ul>	<p>Biology- diversity.</p>	<p>G20 Meet in Jharkhand and Telangana in reference to 'ENERGY TRANSITION'. (Integrating with the states of Jharkhand and Telangana)</p> <p>Collect information on Endangered Flora and Fauna of India and Measures adopted for their Conservation.</p> <p>Prepare a short report on Indian Forest Management, Asiatic Cheetah and Himalayan Yew.</p>



		<p><b>Tiger</b></p> <ul style="list-style-type: none"> <li>- Types and Distribution of Forests and Wildlife Resources</li> <li>- Role of Community Conservation</li> <li>- Case Study on Sacred Groves</li> </ul>		
June	09	<p><b>Lesson 3 : Water Resource.</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Water Scarcity and the Need for Water Conservation and Management</li> <li>- Multi Purpose River Projects And Integrated Water Resource Management</li> <li>- Rain Water Harvesting.</li> </ul> <p><b>Lesson 4 : Agriculture.</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Types of Farming</li> <li>- Cropping Patterns</li> <li>- Major Food Crops</li> </ul>	<p><b>Chemistry- Water Treatment.</b></p> <p><b>Economics- Contribution of Agriculture to National Income, Output and Employment</b></p>	<p>On an outline political map of India mark and label the major multipurpose river projects. Collect information about flood prone areas of the country. Rain Water harvesting techniques practised in the Country. Chapter 4. Prepare a table or flow chart to show the major crops grown in India. Map skill- On a political map of India shade the areas where Rice and Wheat are grown</p>
July	20	<p><b>Lesson 4 : Agriculture contd....</b></p> <ul style="list-style-type: none"> <li>- Food crops other than grains.</li> <li>- Horticulture crops</li> <li>- Non Food Crops</li> <li>- Technological and Institutional Reforms</li> <li>- Contribution of Agriculture to National Economy</li> </ul> <p><b>Lesson 5 : a. Mineral and Energy Resources:</b></p> <ul style="list-style-type: none"> <li>- Mode of Occurrence of Minerals</li> </ul>	<p><b>Chemistry-</b></p>	<p><b>Chapter 5</b></p> <p><b>Map Skill – Distribution of Important Minerals in India.</b></p> <p><b><u>Assignment:</u></b></p> <p>Anyone of the following Disaster Management topic:</p> <ul style="list-style-type: none"> <li>• Role of Governmental or NGOs in Disaster Management.</li> <li>• General awareness in Disaster Management.</li> <li>• Preparation of models related to Disaster Management.</li> <li>• Pocket guide on first-</li> </ul>

		<ul style="list-style-type: none"> <li>- Ferrous Minerals</li> <li>- Non Ferrous Minerals</li> <li>- Conservation of Minerals</li> </ul>	mineral orientation and classification.	<p>aid.</p> <ul style="list-style-type: none"> <li>Institutional case study on Disaster response.</li> <li>Communication and Disaster Management.</li> <li>Preparation of long term, medium term and short term Disaster Management policies.</li> </ul>
August	21	<p><b>Lesson 5 : b. Energy Resources</b></p> <ul style="list-style-type: none"> <li>- Conventional Sources of Energy.</li> <li>- -Non Conventional Sources of Energy</li> <li>- - Conservation of Energy Resources</li> </ul> <p><b>Lesson 6 ; Manufacturing Industries ;</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- -Contribution of Industry to National Economy</li> <li>- - Industrial Location</li> <li>- -Classification of Industries</li> <li>- - Agro Based Industries.</li> </ul> <p><b>Textile Industry- Cotton, Jute Sugar Industry</b></p>	<p><b>Physics- Power Resources.</b></p>       <p><b>Economics- Contribution of industry to National Economy.</b></p>	<p>On a political map of India show the distribution of Coal, Oil, Natural Gas, Nuclear and Thermal Power Plants. Collect information about newly established Wind and Solar Power Stations or Plants in India.</p>
September	09	Revision and Half Yearly Examination.		----
October	17	<p><b>Lesson 6 : Manufacturing Industries :</b></p> <ul style="list-style-type: none"> <li>- Mineral Based Industries</li> <li>- - Iron and Steel Industry</li> <li>- - Aluminium Smelting, Chemical, Fertilizer, Cement Industry</li> <li>- - Automobile Industry</li> <li>- - Information Technology and</li> </ul>	Chemistry-Industrial Pollution.	<p><b>Map skill : Major Industries of India.</b></p> <p>Collect information about the Steel Plants located in the Deccan Plateau Region</p>

		<b>Electronics Industry</b> - - Industrial Pollution and Environmental Degradation		
November	14	<b>Lesson 7 : Life Lines of National Economy.</b> - Introduction. - - Transport : Roadways, Railways, Pipelines, Waterways and Airways. - - Communication. - - International Trade. - Tourism as a Trade.	<b>Economics- International Trade- Tourism as a trade.</b>	<b>Map skill : Roadways, Major Sea Ports and Airports</b>
December	15	<b>Revision and Pre-Board Examination.</b>		----



# Artificial Intelligence 417)

## Syllabus (Session 2023-24)

Part A	Employability Skills	Max. Marks for Theory and Practical
Unit 1 :Communication Skills-II		2
Unit 2 : Self-Management Skills-II		2
Unit 3 : Information and Communication Technology Skills-II		2
Unit 4 : Entrepreneurial Skills-II		2
Unit 5 : Green Skills-II		2
<b>Total</b>		<b>10</b>
Part B	Subject specific skills	
Unit 1: Introduction to Artificial intelligence		7
Unit 2 : AI Project Cycle		9
Unit 3 : Advance Python(to be accessed in practicals only)		----
Unit 4 : Data science(Introduction ,Applications of Data sciences ,Data science: getting started (up to data access)		4
Unit 5 : Computer Vision(Introduction, Application of computer vision, Computer vision: Getting started (up to RGB images), Remaining portion is to be accessed in practical		4
<b>Unit 6 :Natural language processing</b>		<b>8</b>
<b>Unit 7 : Evaluation</b>		<b>8</b>
<b>Total</b>		<b>40</b>
PART C : Pratical work :		
Practical file with minimum 15 programs		15
Practical Examination		<b>5</b>
• Unit 3: Advanced python		<b>5</b>
• Unit 4: Data science		<b>5</b>
• Unit 5: Computer vision		<b>5</b>
Viva Voce		5
<b>Total</b>		<b>35</b>
PART D		
Project work/ Field visit /Student portfolio (Any one to be done)		10
Viva Voce		5
<b>Total</b>		<b>15</b>
<b>Grand TOTAL</b>		<b>100</b>

**ARTIFICIAL INTELLIGENCE (417)**  
**Syllabus (Session 2023-2024)**

Month's Name	No. of working days	Unit No./ Title	Content/Topic	Practical
April	17	<b>PART A :Unit 1: Communication Skills –II</b>	<ul style="list-style-type: none"> <li>• Method of communication</li> <li>• Communication cycle</li> <li>• Elements of communication</li> <li>• Importance of feedback and types</li> <li>• Basic writing skills</li> </ul>	<b>LAB ACTIVITY :</b> <b>introduction to python</b>
		<b>PART A: Unit 2: Stress Management Skills</b>	<ul style="list-style-type: none"> <li>• Meaning and importance of stress management</li> <li>• Stress management techniques</li> <li>• Importance and enhancing the ability to work independently</li> <li>• Self awareness ,self motivation ,self regulation</li> </ul>	<b>LAB ACTIVITY :</b> <b>introduction to python_:</b>
		<b>PART B :Unit 1: Introduction to artificial intelligence</b>	<ul style="list-style-type: none"> <li>• <b>Fundamental Concepts of AI</b></li> </ul>	SOF Nation Cyber Olympiad: MCQ based on Fundamentals of computer
May	10	<b>PART B :Unit 1: Introduction to artificial intelligence</b> <b>Unit 2: AI project cycle</b>	<ul style="list-style-type: none"> <li>• <b>Basics of AI: Let's Get Started</b></li> <li>• <b>Introduction of AI domains</b></li> <li>• <b>Explore the use of AI in real life, AI Ethics, AI Bias</b></li> <li>• <b>Introduction to ai project cycle</b></li> <li>• <b>First stage of AI project cycle problems scoping</b></li> </ul>	SOF Nation Cyber Olympiad: MCQ based on Database Management System
June	09	<b>PART B Unit 2: AI project cycle</b>	<ul style="list-style-type: none"> <li>• <b>Second stage of an AI project cycle data acquisition</b></li> <li>• <b>Third stage of an AI project cycle data exploration</b></li> </ul>	<b>ACTIVITY :</b> <b>Gamified tools for each domain-</b> <b>Data Sciences - Impact Filter</b> (impact of race in temperature on different species ) <a href="https://artsexperiments.withgoogle.com/impactfilter/">https://artsexperiments.withgoogle.com/impactfilter/</a> <b>CV- Autodraw</b> (It pairs machine learning with drawings from talented artists to help you draw stuff fast) <a href="https://www.autodraw.com/">https://www.autodraw.com/</a> <b>NLP- Wordtune</b> (AI writing tools that rewrites, rephrases, and rewords your writing) <a href="https://www.wordtune.com/">https://www.wordtune.com/</a>



July	20	<b>PART B Unit 2: AI project cycle</b>	<ul style="list-style-type: none"> <li>4th stage of an AI project cycle modelling</li> <li>4th stage of an AI project cycle modelling using neural networks</li> <li>5th stage of an AI project cycle evaluation</li> <li>Program design tools brief recapitulation</li> </ul>	Activity: <ul style="list-style-type: none"> <li>Teachable machine to demonstrate Supervised Learning <a href="https://teachablemachine.withgoogle.com/">https://teachablemachine.withgoogle.com/</a></li> <li>Infinite Drum Mhachine to demonstrate and Unsupervised learning <a href="https://experiments.withgoogle.com/ai/drum-machine/view/">https://experiments.withgoogle.com/ai/drum-machine/view/</a></li> </ul>
		<b>PART A Unit 3: Information and communication technology skills</b>	<ul style="list-style-type: none"> <li>Introduction, hardware and software ,maintenance of a computer, operating system.</li> </ul>	<b>LAB ACTIVITY :</b> Data types Data type conversion <b>LAB ACTIVITY: Operators</b> <b>Python comments</b>
August	21	<b>PART A Unit 3: Information and communication technology skills</b> <b>PART B Unit 3: Advance Python</b>	<ul style="list-style-type: none"> <li>Caring for your Computer</li> <li>Python keywords ,data types data types conversion operators ,Python comments, Python statements, Indentation in Python user input output</li> <li>Python statements conditionals and loops</li> <li>Operators of list and peoples in Python</li> </ul>	<b>LAB ACTIVITY :</b> Indentation in Python User input output
September	09	<b>Advance Python continued</b> <b>Revision &amp; Half Yearly Exam.</b>	<ul style="list-style-type: none"> <li><b>String operations in Python</b></li> </ul>	SOF Nation Cyber Olympiad: MCQ based on HTML
October	17	<b>PART A Unit 4: Entrepreneurial skills</b> <b>PART A Unit 5: Green skills</b>	<ul style="list-style-type: none"> <li>Meaning of entrepreneurs and interpreneurship</li> <li>Entrepreneurship and society</li> <li>Positive and negative impact of entrepreneurship on society</li> <li>Activities qualities and functions of an entrepreneur</li> <li>Meaning and importance of environment</li> <li>Importance of sustainable development</li> <li>Solution for implementing sustainable development</li> <li>Conservation of natural resources</li> <li>Meaning and importance of green economy</li> </ul>	<b>LAB ACTIVITY :</b> Python programming



November	14	<p><b>PART B</b> <b>Unit 4: data science</b></p> <p><b>PART B</b> <b>Unit 5: computer vision</b></p>	<ul style="list-style-type: none"> <li>• introduction of data science</li> <li>• Application of data science</li> <li>• Revisiting AI project cycle</li> <li>• Some Python packages</li> <li>• Data visualisation</li> <li>• Data sciences classification model</li> <li>• Computer vision and its applications in various fields</li> <li>• Computer vision task basic of images image features</li> <li>• Introduction to open CV</li> </ul>	<p><b>LAB ACTIVITY :</b> Python programming Activities:</p> <ul style="list-style-type: none"> <li>• Game:Rock, Paper&amp; Scissors <a href="https://next.rockpaperscissors.ai/">https://next.rockpaperscissors.ai/</a></li> <li>• Game- Emoji Scavenger Hunt <a href="https://emoji scavenger hunt.withgoogle.com">https://emoji scavenger hunt.withgoogle.com</a></li> <li>• RGB calculator: <a href="https://www.w3schools.com/coloursrgb.asp">https://www.w3schools.com/coloursrgb.asp</a></li> </ul>
		<b>PART B</b> <b>Unit 6: Natural language processing</b>	<ul style="list-style-type: none"> <li>• Introduction to convolutional Neural network</li> <li>• Introduction of NLP and Application</li> <li>• Revisiting AI Project Cycle</li> <li>• Human Language VS Computer Language</li> </ul>	SOF Nation Cyber Olympiad: MCQ based on Internet and Viruses, Networking
December	15	<p><b>PART B</b> <b>Unit 6: Natural language processing</b></p> <p><b>Unit 7: Evaluation</b></p>	<ul style="list-style-type: none"> <li>• Natural language processing:Data Processing</li> <li>• Introduction to Model Evaluation and Model Evaluation Terminology</li> <li>• Evaluation Methods</li> </ul>	Continued
January			<b>Revision and Pre Board</b>	
February			<b>Revision and Pre Board</b>	
<b>Note: Whole syllabus will be covered in the Annual Examination</b>				