

ANNUAL **CURRICULUM** **PLAN**

CLASS XII ARTS **(SESSION: 2019-20)**

**(to be read with CBSE Curriculum available
on CBSE Website: cbseacademic.in)**

INDEX

S.No.	Topic	Page No.
1	Annual Calendar (Session: 2019-20)	3 – 5
2	Test Schedule	6
3	Curriculum Plan of English Core	7 - 11
4	Examination Syllabus of English Core	12
5	Curriculum Plan of Hindi Core	13 – 16
6	Examination Syllabus of Hindi Core	17
7	Curriculum Plan of Economics	18 – 21
8	Examination Syllabus of Economics	22
9	Curriculum Plan of Political Science	23 – 28
10	Examination Syllabus of Political Science	29
11	Curriculum Plan of Mathematics	30 – 34
12	Examination Syllabus of Mathematics	35
13	Curriculum Plan of Computer Science	36 – 48
14	Examination Syllabus of Computer Science	49
15	Curriculum Plan of Physical Education	50 – 53
16	Examination Syllabus of Physical Education	54
17	Instructions for Parents	55

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

ANNUAL CALENDAR (SESSION: 2019-20)

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
April 2019 (Working days = 23)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Session begins	2	3	4	5	6
7 World Health Day	8	9	10	11	12 Baisakhi Celebrations	13 Holiday (Ram Navmi)
14 Baisakhi / Dr. Ambedkar Jayanti	15	16	17 Holiday (Mahavir Jayanti)	18 World Heritage Day	19 Holiday (Good Friday)	20
21	22	23 World Book & Copyright Day	24	25 Inter House Solo Song & Dance (Sr.) Competition	26 Inter House Volleyball Match	27
28	29	30 Parent Teacher Meeting				

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
May 2019 (Working days = 12+13)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Intl. Labour Day	2	3 Commencement of Periodic Test 1	4
5	6	7 Rabindranath Tagore's B'Day	8 World Red Cross Day	9 Culmination of Periodic Test 1	10	11 Holiday for students on account of 2 nd Saturday
12 Mother's Day	13	14	15 International Day of the Family	16 * Commencement of Summer Break for Class LKG - VIII / Extra Class for IX - XII	17	18 Holiday (Buddha Purnima)
19	20	21	22	23	24	25
CAREER WEEK						
26	27	28	29	30	31 Anti Tobacco Day	* subject to change as per Govt. Instructions

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
June 2019 (Working days = 01)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 Commencement of Summer Break for Class IX - XII	4	5 Holiday (Id-Ul-Fitr) World Environment Day	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21 International Day of Yoga	22
23	24	25	26	27	28	29
30						

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
July 2019 (Working days = 26)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 The school will open after Summer Vacation Commencement of Van Mahotsav Week	2	3	4	5	6
7	8	9	10	11 World Population Day	12	13 Holiday for students on account of 2 nd Saturday
14	15	16	17	18	19 Inter House Solo Song (Jr.) Competition	20 Inter House Yoga Competition
21	22	23	24	25 Inter House Solo Dance (Jr.) Competition	26 Inter House kho-kho competition	27
28	29 Investiture Ceremony	30	31 Parent Teacher Meeting			
					Kargil Victory Day	World Nature Conservation Day

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

ANNUAL CALENDAR (SESSION: 2019-20)

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
August 2019 (Working days = 22)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3 Holiday (Teej)
4	5	6	7	8	9	10 Holiday for students on account of 2 nd Saturday
11	12 Holiday (Id-Ul-Zuha)	13 Independence Celebrations Week	14 Commencement of Sanskrit Week	15 Holiday (Independence Day & Rakshabandhan)	16 Inter House Basketball Match	17
18	19	20	21 World Senior Citizens' Day	22	23	24 Holiday (Janmashtami)
25	26	27 Inter House Solo Song (Sr.) Competition	28 Inter House Solo Dance (Sr.) Competition	29 National Sports Day	30 Inter House Taekwondo Competition	31 Parent Teacher Meeting

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
September 2019 (Working days = 23)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5 Teachers' Day Celebrations	6	7
8	9 Commencement of Half Yearly Exam.	10 Holiday (Muharram)	11	12	13	14 Holiday for students on account of Second Saturday
15	16	17 Culmination of Half Yearly Exam.	18	19	20	21
22	23	24	25	26	27 Inter House Badminton Match	28 World Tourism Day
29 World Day	30 Parent Teacher Meeting					

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
October 2019 (Working days = 20)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 International Day for the Elderly	2 Holiday (Gandhi Jayanti)	3	4 World Animal Welfare Day	5
6	7 Holiday (MahaNavami)	8 Holiday (Dussehra)	9 World Post Day	10 National Post Day	11 Intl. Day of the Girl Child	12 Holiday for students on account of 2 nd Saturday
13	14	15	16 World Food Day	17 Holiday (Karva Chauth)	18 Inter House Football Match	19
20	21	22	23	24 United Nations Day	25	26
				World Devp. Information Day		
27 Diwali	28 Holiday (Govardhan Pooja)	29 Holiday (Bhai Dooj)	30	31		

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
November 2019 (Working days = 23)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 Holiday (Haryana Day)	2
3	4	5 World Tsunami Awareness Day	6	7	8	9 Holiday for students on account of 2 nd Saturday
10 Id-E-Milad	11	12 Holiday (Guru Nanak Devji's Birthday)	13	14 Children's Day Celebrations	15	16
				Diabetes Day		
17	18	19	20	21	22 Inter House Chess Competition	23
24	25	26 Constitution Day (National Law Day)	27	28	29 Inter House Group Song Competition	30 Parent Teacher Meeting

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

ANNUAL CALENDAR (SESSION: 2019-20)

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
December 2019 (Working days = 22)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 World Day of the Handicapped	4 Indian Navy Day	5	6	7 Indian Armed Forces Flag Day
8	9 Commencement of Periodic Test 2 / Pre-Board Exam.	10 Human Rights Day	11	12	13	14 Holiday for students on account of 2 nd Saturday
15	16	17 Culmination of Periodic Test 2 / Pre-Board Exam.	18	19	20	21 Inter House Group Dance Competition
22 National Mathematics Day	23 Farmer's Day (Kisan Diwas)	24 Christmas Celebrations	25 Holiday (Christmas) Good Governance Day	26 Annual Sports Meet	27	28 Parent Teacher Meeting
29	30 *Commencement of Winter Break	31	* subject to change as per Govt. instructions			

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
January 2020 (Working days = 21)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4 *Culmination of Winter Break
5	6	7	8	9	10	11 Holiday for students on account of 2 nd Saturday
12 Sundar Vikasadiya Day	13	14	15 Holiday (Makar Sankranti)	16 Commencement of Pre-Board Exam. of Class XII	17	18
19	20	21	22	23	24 Culmination of Pre-Board Exam. of Class XII	25 Republic Day Celebrations Farewell to Class XII
26 Republic Day	27	28	29	30 Martyrs' Day	31 Parent Teacher Meeting	* subject to change as per Govt. instructions

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
February 2020 (Working days = 23)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Commencement of Board Practicals of Class XII
2	3 Commencement of Annual Exam. of class IX & XI	4	5	6	7	8 Holiday for students on account of 2 nd Saturday
9	10	11	12	13	14 Culmination of Annual Exam. of class IX	15
16	17	18	19	20 Culmination of Annual Exam. of class XI	21 Holiday (Mahashivratri)	22
24	24	25	26	27	28 National Science Day	29 Parent Teacher Meeting

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL						
ACADEMIC CALENDAR 2019-20						
March 2020 (Working days = 10)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5 Commencement of Annual Examination for Class I - VIII	6	7
8 International Women's Day	9	10 Holiday (Holi)	11	12	13	14 Holiday for students on account of 2 nd Saturday
15	16	17	18 Culmination of Annual Examination	19	20	21
22 World Day for Water	23	24	25	26	27 Result Declaration	28
29	30	31				

TEST SCHEDULE

Periodic Test 1	Subject
10.05.2019 (Friday)	Economics
13.05.2019 (Monday)	Mathematics
14.05.2019 (Tuesday)	Political Science
15.05.2019 (Wednesday)	Computer Science/ Physical Education
16.05.2019 (Thursday)	English
17.05.2019 (Friday)	Hindi

Half Yearly Exam.	Subject
06.09.2019 (Friday)	<i>Economics Practical</i>
07.09.2019 (Saturday)	<i>Physical Education Practical</i>
09.09.2019 (Monday)	Economics
11.09.2019 (Wednesday)	Computer Science/ Physical Education
12.09.2019 (Thursday)	English
13.09.2019 (Friday)	Political Science
16.09.2019 (Monday)	Mathematics
17.09.2019 (Tuesday)	Hindi
19.09.2019 (Thursday)	<i>Computer Science Practical</i>

Pre-Board Examination	Subject
07.12.2019 (Saturday)	<i>Economics Practical</i>
09.12.2019 (Monday)	Economics
10.12.2019 (Tuesday)	Hindi
12.12.2019 (Thursday)	Political Science
13.12.2019 (Friday)	Mathematics
16.12.2019 (Monday)	Computer Science / Physical Education
17.12.2019 (Tuesday)	English
18.12.2019 (Wednesday)	<i>Comp. Sc. / Phy. Edu. Practical</i>

Curriculum Plan of English Core
(Session: 2019-2020)

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
April Topic: The Last Lesson No. of Periods: 06	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on The Last Lesson • Discussion of Scoring Points/ Marking Scheme/Sample Questions 	Short review/ dramatization of the story	Patriotism, freedom of language and the love for one's mother tongue
Topic: My Mother at Sixty Six No. of Periods: 05	Poetic Appreciation, Rhyme Scheme Poetic Devices Central Idea	<ul style="list-style-type: none"> • Assignment on My Mother at Sixty Six • Discussion of Scoring Points/ Marking Scheme/Sample Questions 	Critical evaluation of the theme conveyed by the poet	Eternal law of ageing & complex subtleties of human relationship.
Topic: The Tiger King No. of Periods: 06	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on The Tiger King • Discussion of Scoring Points/ Marking Scheme/Sample Questions 	Extrapolating the story read or life of characters after the story ends/ defending the characters' actions in the story	Transience of life & power.
Topic: Writing Section No. of Periods: 06	Notice Writing, Advertisement	<ul style="list-style-type: none"> • Assignment on Notice & Advertisement • Discussion of Scoring Points/ Marking Scheme/Sample Questions 	Write notices for school events/processes to develop writing skills.	Freedom of expression & clarity of thoughts.
May	Periodic Test - 1			
Topic: Lost Spring No. of Periods: 06	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Lost Spring • Discussion of Scoring Points/ Marking Scheme/Sample Questions 	Comparing and contrasting the characters within the story and with other characters in stories by the same author or by the other authors	Child exploitation through child labour. Power of optimism & hope.

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
Topic: An Elementary School Classroom in a Slum No. of Periods: 05	Poetic Appreciation Rhyme Scheme Poetic Devices Central Idea	<ul style="list-style-type: none"> • Assignment on An Elementary School Classroom in Slum • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Commentary on the central idea conveyed through the poem	Poverty, Social injustice & Social inequality.
Topic: Deep Water No. of Periods: 06	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Deep Water • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Silent reading of prescribed/selected texts for comprehension	Power of determination to overcome any adversity.
Topic: Writing Section No. of Periods: 05	Letter Writing (Formal)	<ul style="list-style-type: none"> • Assignment on Letter Writing • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Write on various issues to institutions seeking relevant information, lodge complaints, express thanks or tender apology	Freedom of expression & clarity of thoughts.
July Topic: The Rattrap No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on The Rattrap • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Language learning activities such as role-play, dramatization, group discussion, writing, etc.	Importance of human companionship & community.
Topic: Keeping Quiet No. of Periods: 05	Poetic Appreciation Rhyme Scheme Poetic Devices Central Idea	<ul style="list-style-type: none"> • Assignment on Keeping Quiet • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Silent reading of prescribed/selected texts for comprehension	Peace, humanity and self-actualization. Power of introspection.
Topic: Indigo No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Indigo • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Encouraging students to role-play as various characters to interact with one another	Leadership & Social justice.

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
Topic: The Third Level No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on The Third Level • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Short review/ dramatization of the story	Time Travel & Escapism
Topic: Writing Section No. of Periods: 04	Article Writing, Report Writing	<ul style="list-style-type: none"> • Assignment on Articles & Reports • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Express opinions, facts & arguments	Freedom of speech & clarity of thoughts.
August Topic: Poets & Pancakes No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Poets & Pancakes • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Critical evaluation of the plot, storyline and characters	Knowledge about cosmetics & film industry.
Topic: A Thing of Beauty No. of Periods: 05	Poetic Appreciation Rhyme Scheme Poetic Devices Central Idea	<ul style="list-style-type: none"> • Assignment on A Thing of Beauty • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Appreciating the idea conveyed through the poem.	Beauty and its different forms. Worldly attachment & its consequences.
Topic: The Interview No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on The Interview • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Group and pair activities like group discussion etc.	Different career skills.
Topic: Journey to the end of the Earth No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Journey to the end of the Earth • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Commentary on the characters.	Geological history of the world.
Topic: Writing Section No. of Periods: 04	Speech, Debate	<ul style="list-style-type: none"> • Assignment on Speech & Debate • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Express opinions, facts, arguments in the form a speech or debates	Freedom of expression & clarity of thoughts.
September	Half Yearly Examination and ASL			

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
October Topic: Going Places No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Going Places • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Role playing as authors/ poets/ dramatists to defend their works and characters	Fantasies of adolescence versus Reality of life.
Topic: A Roadside Stand No. of Periods: 05	Poetic Appreciation Rhyme Scheme Poetic Devices Central Idea	<ul style="list-style-type: none"> • Assignment on A Roadside Stand • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Discussion of the theme conveyed by the poet	Social inequality.
Topic: Should Wizard Hit Mommy No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Should Wizard Hit Mommy • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Commentary on the characters	Issues of parenting. Perspective of an adult.
Topic: On the face of it No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on On the face of it • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Dramatizing incidents from the story	Problems associated with the physical disability.
Topic: Writing Section No. of Periods: 04	Application Writing, Invitation	<ul style="list-style-type: none"> • Assignment on Application & Invitation • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Write applications, fill in application forms, prepare a personal bio-data for admission into colleges, universities, entrance tests and jobs	Freedom of expression & clarity of thoughts.
November Topic: Evans Tries an O-Level No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on Evans Tries an O-Level • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Short review/ dramatization of the story	Life in a prison.

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
Topic: Aunt Jennifer's Tigers No. of Periods: 05	Poetic Appreciation Rhyme Scheme Poetic Devices Central Idea	<ul style="list-style-type: none"> • Assignment on Aunt Jennifer's Tigers • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Extrapolating the theme conveyed by the poet	Male chauvinism. Women empowerment.
Topic: Memories of Childhood No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on: Memories of Childhood • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Making an audio story out of the text to be read aloud	Racial discrimination & caste discrimination.
Topic: The Enemy No. of Periods: 05	Understanding the Genre Literary appreciation Central Idea Plot, Protagonists, Characters	<ul style="list-style-type: none"> • Assignment on: The Enemy • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Critical evaluation of the plot, storyline and characters	Ethics of medical profession. Power of peace, love & humanism.
Topic: Writing Section No. of Periods: 04	Poster Making	<ul style="list-style-type: none"> • Assignment on: Poster Making • Discussion of Scoring Points/Marking Scheme/Sample Questions 	Develop writing skills & creativity in students.	Freedom of expression & clarity of thoughts.
December	Pre-Board Examination			
January	Revision			
February	Revision			
March	Annual Examination			

EXAMINATION SYLLABUS

Sr. No.	Examination	Syllabus		
		Flamingo	Vistas	Writing Skills
1	Periodic Test 1	<ul style="list-style-type: none"> Lesson 1 The Last Lesson Poem-1 My Mother at Sixty Six 	<ul style="list-style-type: none"> Lesson 1 The Tiger King 	<ul style="list-style-type: none"> Notice Advertisement
2	Half Yearly Examination	<ul style="list-style-type: none"> Lesson 1 The Last Lesson Lesson 2 Lost Spring Lesson 3 Deep Water Lesson 4 The Rattrap Lesson 5 Indigo Lesson 6 Poets & Pancakes Lesson 7 The Interview Poem-1 My Mother at Sixty Six Poem-2 An Elementary School Classroom in a Slum Poem-3 Keeping Quiet Poem-4 A Thing of Beauty 	<ul style="list-style-type: none"> Lesson 1 The Tiger King Lesson 2 The Enemy Lesson 3 Should Wizard Hit Mommy? Lesson 4 Third Level Lesson 5 Journey to the end of the Earth 	<ul style="list-style-type: none"> Letter Article Report Writing Speech Debate
3	Pre Board Examination	Full Syllabus		

NOTE: There will be a class test and an assignment after every lesson.

हिंदी पाठ्यक्रम विभाजन

(सत्र : 2019-2020)

महीना / विषयवस्तु	विषय / ऑडियो / वीडियो	असाइनमेंट / अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
अप्रैल / कालांश = 25 आरोह-गद्य भाग= 8 पाठ-1 भक्तिन पाठ-2 बाजार दर्शन पाठ-3 काले मेघा पानी दे आरोह-पद्य भाग= 6 पाठ-1 आत्मपरिचय पाठ- 2 पतंग वितान = 6 पाठ-1 सिल्वर वैडिंग अभिव्यक्ति माध्यम= 5 संचार माध्यम, प्रिंट माध्यम, सम्पादकीय, औपचारिक, अनौपचारिक पत्र, अनुच्छेद, आलेख, फीचर	➤ भक्तिन और आत्मपरिचय पर आधारित वीडियो	➤ अभिहस्तांकन (असाइनमेंट) • गद्य भाग ○ पाठ- 1, 2, 3 • पद्य भाग ○ पाठ- 1, 2 • वितान • अभिव्यक्ति माध्यम • आलेख / फीचर • औपचारिक, अनौपचारिक पत्र • अनुच्छेद लेखन ➤ अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	• सुनना- प्रश्नोत्तरी (सुनकर अर्थ ग्रहण करना) • बोलना- कहानी वाचन (मुंशी प्रेमचंद की कोई एक कहानी) • पढ़ना- पाठ्य पुस्तक में निहित पाठ 1, 2, 3 पठन • लिखना- यात्रा वृत्तांत लिखना	➤ गद्य भाग- ○ पाठ-1 'आजादी से पहले ग्रामीण पृष्ठभूमि कैसी थी?' विषय पर सामूहिक परिचर्चा ○ पाठ-2 प्राचीन समय की मुद्राएँ याद करना ○ पाठ-3 पर्यावरण पर आधारित अनुच्छेद लेखन
मई कालांश = 22 आरोह-गद्य भाग=6 पाठ-4 पहलवान पाठ-5 चार्ली चैप्लिन यानी हम सब	○ पाठ-5 'चार्ली चैप्लिन यानी हम सब' पर आधारित वीडियो	➤ अभिहस्तांकन (असाइनमेंट) • गद्य भाग ○ पाठ- 4, 5	• सुनना- ऑडियो पर आधारित प्रश्नोत्तरी	➤ गद्य भाग ○ पाठ-4 'व्यक्ति का हर परिस्थिति में अपनी भावनाओं पर अंकुश रखना' विषय पर फीचर लेखन ○ पाठ-5 आत्म स्वाभिमान को बनाए रखने के लिए संघर्षशील होना

महीना / विषयवस्तु	विषय / ऑडियो / वीडियो	असाइनमेंट / अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
मई / कालांश = 22 आरोह-पद्य भाग=6 पाठ-3 कविता के बहाने, बात सीधी थी पर वितान =6 पाठ-2 जूझ अभिव्यक्ति माध्यम=4 संचार माध्यम, प्रिंट माध्यम, सम्पादकीय, औपचारिक, अनौपचारिक पत्र, अनुच्छेद, आलेख, फीचर	पाठ -‘जूझ’ पर आधारित वीडियो	➤ अभिहस्तांकन (असाइनमेंट) <ul style="list-style-type: none"> पद्य भाग <ul style="list-style-type: none"> पाठ- 3 वितान पाठ-2 अभिव्यक्ति माध्यम आलेख/फीचर औपचारिक, अनौपचारिक अनुच्छेद लेखन ➤ अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	<ul style="list-style-type: none"> बोलना- कविता वाचन (स्वरचित) पढ़ना- समाचार पत्र पठन लिखना- अनुच्छेद लेखन 	➤ वितान <ul style="list-style-type: none"> पाठ-2 जीवन में ऊपर उठने के लिए गरीबी से हार न मानना।
जुलाई / कालांश = 25 आरोह -गद्य भाग=6 पाठ-6 नमक आरोह-पद्य भाग=6 पाठ-4 कैमरे में बंद अपाहिज पाठ-5 सहज स्वीकारा वितान=6 पाठ-3 अतीत में दवे पांव अभिव्यक्ति माध्यम=7 पत्रकारिता, हाल ही में पढ़ी कोई भी कहानी, कविता, कहानी, नाटक की रचनात्मक अभिव्यक्ति	निम्नलिखित पाठों पर आधारित वीडियो ➤ पाठ 6 नमक ➤ पाठ 3 अतीत में दवे पांव	➤ अभिहस्तांकन (असाइनमेंट) <ul style="list-style-type: none"> गद्य भाग <ul style="list-style-type: none"> पाठ-6 पद्य भाग <ul style="list-style-type: none"> पाठ-4,5 वितान <ul style="list-style-type: none"> पाठ-3 अभिव्यक्ति माध्यम <ul style="list-style-type: none"> पत्रकारिता, हाल ही में पढ़ी कोई भी कहानी, कविता, कहानी, नाटक की रचनात्मक अभिव्यक्ति ➤ अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	<ul style="list-style-type: none"> सुनना- भाषण पर आधारित सामूहिक परिचर्चा बोलना- साक्षात्कार लेना पढ़ना- पाठ्य पुस्तक में निहित पाठ-पठन लिखना- आलेख लेखन 	➤ गद्य भाग <ul style="list-style-type: none"> पाठ 6 -हिंदुस्तान व पाकिस्तान की पृष्ठभूमि के बारे में परिचर्चा ➤ पद्य भाग <ul style="list-style-type: none"> पाठ-5 मनुष्य को हर परिस्थिति में सामंजस्य बनाए रखना चाहिए ➤ वितान <ul style="list-style-type: none"> पाठ-3 हडप्पा संस्कृति में पाए जाने वाली वस्तुओं की सूची बनाए
अगस्त /कालांश = 25 आरोह -गद्य भाग=4	पाठ-4 डायरी के पन्ने पर आधारित	➤ अभिहस्तांकन (असाइनमेंट)	<ul style="list-style-type: none"> सुनना- कहानी के कुछ अंशों को सुनकर कहानी पूर्ण करना 	➤ वितान पाठ-4 डायरी के पन्ने पर आधारित

महीना / विषयवस्तु	विषय / ऑडियो / वीडियो	असाइनमेंट / अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
पाठ- पठित पाठों की पुनरावृत्ति आरोह-पद्य भाग=4 पाठ-6 उषा वितान=10 पाठ- 4 डायरी के पन्ने अभिव्यक्ति माध्यम=7 पाठ- पठित पाठों की पुनरावृत्ति	वीडियो	<ul style="list-style-type: none"> • पद्य भाग <ul style="list-style-type: none"> ○ पाठ- 6 • वितान <ul style="list-style-type: none"> ○ पाठ-4 • अभिव्यक्ति माध्यम 	<ul style="list-style-type: none"> • बोलना- संवाद लेखन (आज की राजनीति) • पढ़ना- डायरी के पन्ने" पाठ पठन • लिखना- फीचर लेखन 	नाट्य मंचन। 'विषय-जर्मनी में हिटलर द्वारा यहूदियों पर होने वाले अत्याचार' पर सामूहिक परिचर्चा।
सितम्बर / कालांश=15 लेखन कार्य- विभिन्न माध्यमों के लिए लेखन, पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया, विशेष लेखन और प्रकार, कैसे बनती है कविता, नाटक लिखने का स्वरूप, कैसे करें कहानी का नाट्य रूपांतरण	अर्धवार्षिक परीक्षा			
	अभिव्यक्ति माध्यम पर आधारित पी.पी.टी	नोट- पत्र, कविता, कहानी आलेख, फीचर) लेखन कार्य (पर परिचर्चा व कॉपी में करना। <ul style="list-style-type: none"> • आलेख • फीचर • कैसे बनती है कविता • कहानी की समक्ष 	<ul style="list-style-type: none"> • सुनना- श्रुतलेख • बोलना- भाषण • पढ़ना- प्रेमचंद की किसी एक कहानी का पठन • लिखना- समाचार लेखन 	
अक्टूबर / कालांश= 22 आरोह -गद्य भाग=6 पाठ-7 शिरीष के फूल आरोह-पद्य भाग=10 पाठ-7 बादल राग (केवल पठन हेतु) पाठ-8 कवितावली, लक्ष्मण मूर्छा और राम का विलाप पाठ-9 रुबाइयाँ, गजल वितान=3		नोट- निम्नलिखित पाठों पर आधारित अभिहस्तांकन (असाइनमेंट) लेखन कार्य पर परिचर्चा व कॉपी में करना। <ul style="list-style-type: none"> • गद्य भाग <ul style="list-style-type: none"> ○ पाठ-7 • पद्य भाग <ul style="list-style-type: none"> ○ पाठ-8,9 	<ul style="list-style-type: none"> • सुनना- वाद-विवाद • बोलना- नारीशक्ति' विषय पर सामूहिक परिचर्चा • पढ़ना- 'शिरीष के फूल' पाठ पठन • लिखना- हाल ही में पढ़ी किसी कहानी की समीक्षा लिखना 	➤ शिरीष के पेड़ का वैज्ञानिक दृष्टि से क्या लाभ है? विषय पर सामूहिक परिचर्चा। ➤ शिरीष के पेड़ की तरह जीवन की हर परिस्थिति में अडिग रहना।

महीना / विषयवस्तु	विषय / ऑडियो / वीडियो	असाइनमेंट / अंक अर्जित परिचर्चा / अंक योजना / आदर्श प्रश्नपत्र	सुनना, बोलना, पढ़ना और लिखना	जीवन कौशल/ अंतर्विषयी कार्य
पुनरावृत्ति अभिव्यक्ति माध्यम=3 सम्पादकीय और उसके प्रकार				
नवम्बर / कालांश=15 आरोह - गद्य भाग=5 पाठ- 9 श्रम विभाजन और जाति प्रथा आरोह- पद्य भाग=5 पाठ- 10 छोटा मेरा खेत और बगुलों के पंख वितान= 5 पुनरावृत्ति	अम्बेडकर पर आधारित वीडियो	नोट -निम्नलिखित पाठों पर आधारित अभिहस्तांकन)असाइनमेंट(लेखन कार्य पर परिचर्चा व कॉपी में करना <ul style="list-style-type: none"> • गद्य भाग <ul style="list-style-type: none"> ○ पाठ- 9 • पद्य भाग <ul style="list-style-type: none"> ○ पाठ- 10 • वितान <ul style="list-style-type: none"> ○ पाठ-4 	<ul style="list-style-type: none"> • सुनना-कविता के अंशों को सुनकर अनुशरण करना • बोलना- कृतज्ञता-ज्ञापन • पढ़ना- “श्रम विभाजन और जाति प्रथा” पाठ का पठन • लिखना- नाटक रचानांतरण 	<ul style="list-style-type: none"> ➤ जाति पर आधारित व्यवसायों की सूची तैयार करना। ➤ जीवन में जाति-पात से ऊपर उठकर कर्मशील बनना।
दिसम्बर	ग्री - बोर्ड परीक्षा			
जनवरी	पुनरावृत्ति (आदर्श प्रश्न-पत्र)			
फरवरी	पुनरावृत्ति (आदर्श प्रश्न-पत्र)			
मार्च	बोर्ड परीक्षा			

परीक्षा पाठ्यक्रम

आवधिक परीक्षा - 1

अप्रैल का पाठ्यक्रम

अर्धवार्षिक परीक्षा

सत्र के आरंभ से अगस्त तक का संपूर्ण पाठ्यक्रम

प्री - बोर्ड परीक्षा

संपूर्ण पाठ्यक्रम

नोट: प्रत्येक पाठ पठन उपरांत बहुविकल्पीय, सौंदर्य बोध व मूल्य पर क प्रश्नों पर आधारित परीक्षा होगी।

Curriculum Plan of Economics
(Session: 2019-2020)

Month Topic	Sub Topic	Activities/ Audio Visual Inputs	Assignment / Discussion / Project	Learning Outcomes After the completion of this chapter, students will be able to-
April Topic: National Income and Related Aggregates No. of Periods: 28	<ul style="list-style-type: none"> What is Macroeconomics? Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation. Circular flow of income (two sector model); Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost; Real and Nominal GDP. GDP and Welfare 	Video on circular flow of income	<ul style="list-style-type: none"> Assignment on basic concepts of macroeconomics, circular flow of income and numerical of national income Discussion of Scoring Points/ Marking Scheme/ Sample Questions Project: Topic selection 	a) Explain the basic concepts of macroeconomics b) Understand the circular flow of income c) Differentiate between consumption goods, capital goods, final goods, intermediate goods d) Solve numerical of national income e) Examine the concept of GDP and welfare in the economy.
May Topic: Money and Banking No. of Periods: 15 Topic: Determination of Income and Employment	<ul style="list-style-type: none"> Money - meaning and supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement 	Video on money creation by commercial bank	<ul style="list-style-type: none"> Assignment on Money and banking. Income determination and excess and deficient demand Discussion of Scoring Points/Marking Scheme/Sample Questions Project: Research 	a) Understand the meaning of money supply b) Differentiate between commercial bank and central bank c) Classify the functions of central bank d) Recognise the process of credit creation by commercial bank

Month Topic	Sub Topic	Activities/ Audio Visual Inputs	Assignment / Discussion / Project	Learning Outcomes After the completion of this chapter, students will be able to-
No. of periods: 15	<ul style="list-style-type: none"> Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short-run equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply. 	Video on inflationary and deflationary gap		e) Judge the functioning of monetary and fiscal policy of government f) Solve numerical of multiplier g) Apply the mechanism of money multiplier
June			Project: Research	
July Topic: Government Budget and the Economy No. of periods: 17 Topic: Balance of Payments No. of periods: 13	<ul style="list-style-type: none"> Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure – revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit their meaning. Balance of payments account - meaning and components; balance of payments deficit-meaning. Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market. 	Video on determination of foreign exchange rate	<ul style="list-style-type: none"> Assignment on Objectives of government budget and budget deficit Discussion of Scoring Points/ Marking Scheme/ Sample Questions Project: Data collection 	a) Classify revenue and capital receipts b) Assess the measures taken by government to reduce deficit c) Differentiate between BOP & BOT d) Understand the meaning of foreign exchange market e) Differentiate between fixed and flexible exchange rate of currency f) Identify the price of currency in foreign exchange market
August Topic: Development Experience	<ul style="list-style-type: none"> A brief introduction of the state of Indian economy on the eve of independence. Common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new 	Video on zamindari system	<ul style="list-style-type: none"> Assignment on Economic reforms and LPG policy 	a) Explain the function of market and prices as allocative mechanisms. b) Identify key macro-economic indicators and measures of

Month Topic	Sub Topic	Activities/ Audio Visual Inputs	Assignment / Discussion / Project	Learning Outcomes After the completion of this chapter, students will be able to-
(1947-90) and Economic Reforms since 1991 No. of periods: 28	agricultural strategy, etc.), industry (industrial licensing, etc.) and foreign trade. <ul style="list-style-type: none"> Economic Reforms since 1991: Features and appraisals of liberalization, globalization and privatization (LPG policy); Concepts of demonetization and GST 	Video on GST	<ul style="list-style-type: none"> Discussion of Scoring Points/ Marking Scheme/ Sample Questions Project: First Draft 	<p>economics change, growth, and development.</p> <p>c) Identify and discuss the key concepts underlying comparative advantage.</p> <p>d) Identify and explain major types of market failures.</p>
September	Half Yearly Examination			
Topic: Current challenges facing Indian Economy No. of periods: 35	<ul style="list-style-type: none"> Poverty- absolute and relative; Main programmes for poverty alleviation: A critical assessment; Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India Employment: Formal and informal growth Problems and policies. 		<ul style="list-style-type: none"> Assignment on Poverty, rural development, human capital formation and employment Discussion of Scoring Points/ Marking Scheme/ Sample Questions Project: Presentation 	<p>a) Assess the role of domestic and international institutions and norms in shaping economies.</p> <p>b) Describe how economic trade-offs and social values impact public/private social policy, and the success or failure of policies to achieve intended outcomes</p> <p>c) Identify the limits of economic analysis.</p> <p>d) Compare and contrast efficiency and equity.</p>

Month Topic	Sub Topic	Activities/ Audio Visual Inputs	Assignment / Discussion / Project	Learning Outcomes After the completion of this chapter, students will be able to-
October Topic: Development Experience of India No. of periods- 18 Topic: Development Experience of India No. of periods:10	<ul style="list-style-type: none"> • Infrastructure: Meaning and Types: Case Studies: Energy and Health: Problems and Policies- A critical assessment; • Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming A comparison with neighbors- India and Pakistan, India and china • Issues: Growth, population, sectoral development and other human indicators 	Video on economic comparison of India and Pakistan	<ul style="list-style-type: none"> • Assignment on Infrastructure and a comparative look on India and its neighbours • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Project: Final Submission 	a) Present economic arguments in non-quantitative form. b) Synthesize the arguments found in both academic and popular economic media. c) Discuss economic concepts in an articulate manner in a classroom.
November	Revision			
December	Pre Board Examination			
January	Revision			
February	Revision			
March	Annual Examination			

EXAMINATION SYLLABUS



Periodic Test – 1

Unit – 1

Half Yearly Examination

Syllabus- Macroeconomics Units I to V

Pre Board Examination

Full Syllabus

NOTE: There will be a class test and assignment after every Chapter.

Curriculum Plan of Political Science
(Session: 2019-2020)

Month Topic	Sub Topic	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
April Topic: Challenges of Nation-Building No. of Periods: 13	<ul style="list-style-type: none"> Nehru's approach to nation-building; Legacy of partition: challenge of 'refugee' resettlement, the Kashmir problem. Organization and reorganization of states; Political conflicts over language. 	Video: <ul style="list-style-type: none"> Partition– 'The Day India Burned'. Tryst With Destiny by Pandit Nehru. Epitome of a Republic-1st elections in independent India The Great Experiment Samvidhaan 	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> Challenges of Nation-Building on Era of One-Party Dominance Cold War Era Discussion of Scoring Points/Marking Scheme/Sample Questions Timeline / Concept Mapping Project <ul style="list-style-type: none"> Topic Selection 	<ul style="list-style-type: none"> Core Skills Problem Solving, Decision Making, Self-Awareness, Dealing with Stress Art Integration 'Let's Research' Stories of Partition Interdisciplinary Linkages History, Psychology
Topic: Era of One-Party Dominance No. of Periods: 12	<ul style="list-style-type: none"> First three general elections, nature of Congress dominance at the national level, uneven dominance at the state level, coalitional nature of Congress. Major opposition parties. 	Video: <ul style="list-style-type: none"> History of the Indian National Congress 		<ul style="list-style-type: none"> Core Skills Decision Making Art Integration Make a chart of elections and governments in your State since 1952. Interdisciplinary Linkages History
Topic: Cold War Era No. of Periods: 14	<ul style="list-style-type: none"> Emergence of two power blocs after the Second World War. Arenas of the cold war. Challenges to Bipolarity: Non Aligned Movement, quest for new international economic order. India and the cold war. 	Video: <ul style="list-style-type: none"> Cold War-Documentary on Berlin, Korea, Cuba and Vietnam. Cold War in 9 Minutes HD The history of the Cuban Missile Crisis. 		<ul style="list-style-type: none"> Core Skills Problem Solving, Decision Making, Critical Thinking Art Integration Event Profile presentation in the class. Interdisciplinary Linkages History

Month Topic	Sub Topic	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
Topic: The End of Bipolarity No. of Periods: 13	<ul style="list-style-type: none"> • New entities in world politics: Russia, Balkan states and Central Asian states. • Introduction of democratic politics and capitalism in post communist regimes. • India's relations with Russia and other post-communist countries 	Video: <ul style="list-style-type: none"> • Collapse of Soviet Union. Discovery Channel End of the USSR Part 1 • India Russia- Friends Forever 	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ The End of Bipolarity ○ US Hegemony in World Politics ○ Politics of Planned Development ○ Alternative Centre's of Power • Discussion of Scoring Points/Marking Scheme/Sample Questions • Timeline / Concept Mapping • Project: Research 	Core Skills Problem Solving, Decision Making, Critical Thinking • Art Integration <ul style="list-style-type: none"> ○ Group presentation • Interdisciplinary Linkages History, Economics
May Topic: US Hegemony in World Politics No. of Periods: 13	<ul style="list-style-type: none"> • Growth of unilateralism: Afghanistan, first Gulf War, response to 9/11 and attack on Iraq. • Dominance and challenge to the US in economy and ideology. • India's renegotiation of its relationship with USA. 	Video: <ul style="list-style-type: none"> • 9/11 attack on U.S.A. • The US invasion on Iraq. • Special Report - Indo-US relations (1) 		Core Skills Interpersonal relationship, Critical Thinking • Art Integration <ul style="list-style-type: none"> ○ Each group is to present their fact-file before the class. • Interdisciplinary Linkages History, Economics
Topic: Politics of Planned Development No. of Periods: 11	<ul style="list-style-type: none"> • Five year plans, expansion of state sector and the rise of new economic interests. • Famine and suspension of five year plans. • Green Revolution and its political fallouts. 	Video: <ul style="list-style-type: none"> • Green Revolution. • Five Year Plans • Bipin Chandra -India Since Independence - Land Reforms Part 2 - Bhoodan Movement 		• Core Skills Problem Solving, Decision Making, Critical Thinking • Art Integration <ul style="list-style-type: none"> ○ Let's re-search Visit to ration shop • Interdisciplinary Linkages History, Economics
Topic: Alternative Centre's of	<ul style="list-style-type: none"> • Rise of China as an economic power in post-Mao era, creation and expansion of European Union, ASEAN. 	Video <ul style="list-style-type: none"> • Benefits and Opportunities of Regional Cooperation in 		• Core Skills Interpersonal relationship, Decision Making, Critical Thinking

Month Topic	Sub Topic	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
Power No. of Periods: 11	<ul style="list-style-type: none"> India's changing relations with China. 	South Asia <ul style="list-style-type: none"> Red Dragon Rising- China to overtake US as top economic superpower. Seven unresolved disputes- India and China. 	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> Contemporary South Asia in the Post-Cold War Era International Organizations Discussion of Scoring Points/Marking Scheme/Sample Questions Timeline / Concept Mapping Project: Research 	<ul style="list-style-type: none"> Art Integration <ul style="list-style-type: none"> Each group is to present their fact-file before the class EU, ASEAN and SAARC Interdisciplinary Linkages <ul style="list-style-type: none"> History, Economics
July Topic: Contemporary South Asia in the Post-Cold War Era No. of Periods: 13	<ul style="list-style-type: none"> Democratisation in Pakistan and Nepal. Ethnic conflict in Sri Lanka, Impact of economic globalization on the region. Conflicts and efforts for peace in South Asia. India's relation with its neighbours. 	Video <ul style="list-style-type: none"> Development in Pakistan, Nepal and Srilanka. Benefits and Opportunities of Regional Cooperation in South Asia 		<ul style="list-style-type: none"> Core Skills <ul style="list-style-type: none"> Decision Making, Critical Thinking, Interpersonal relationship Art Integration <ul style="list-style-type: none"> Role play on the countries of South Asia Interdisciplinary Linkages <ul style="list-style-type: none"> History, Economics
Topic: International Organizations No. of Periods: 13	<ul style="list-style-type: none"> Restructuring and the future of the UN. India's position in the restructured UN. Rise of new international actors: new international economic organizations, NGOs. How democratic and accountable are the new institutions of global governance? 	Video <ul style="list-style-type: none"> United Nations Security Council - Lex Animata - Hesham Elrafei What is United Nations and what does it Do- Mini Documentary. India will become permanent member of united nations security council. India and the UN 		<ul style="list-style-type: none"> Core Skills Problem Solving, Decision Making, Critical Thinking, Interpersonal relationship Art Integration <ul style="list-style-type: none"> Group Presentation Interdisciplinary Linkages History, Economics

Month Topic	Sub Topic	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
August Topic: India's External Relations No. of Periods: 13	<ul style="list-style-type: none"> Nehru's foreign policy. Sino-Indian war of 1962, Indo-Pak war of 1965 and 1971. India's nuclear programme. Shifting alliance in world politics. 	Video <ul style="list-style-type: none"> Clippings from the movie 'Haqqeeqat' Based on Indo China war. Clippings from the movie – 'Lakshay'. Based on Kargil Conflict. Indo Pak stance on Kashmir Issue 	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> India's External Relations Challenges to the Congress System Discussion of Scoring Points/ Marking Scheme/ Sample Questions Timeline / Concept Mapping Project: Data collection 	<ul style="list-style-type: none"> Core Skills <ul style="list-style-type: none"> Critical Thinking, Decision Making, Interpersonal relationship, Problem Solving, Dealing with stress Art Integration <ul style="list-style-type: none"> Make a cartoon Interdisciplinary Linkages <ul style="list-style-type: none"> History, Economics
Topic: Challenges to the Congress System No. of Periods: 13	<ul style="list-style-type: none"> Political succession after Nehru. Non-Congressism and electoral upset of 1967, Congress split and reconstitution, Congress' victory in 1971 elections, politics of 'garibi hatao' 			<ul style="list-style-type: none"> Core Skills <ul style="list-style-type: none"> Problem Solving, Decision Making, Critical Thinking Art Integration <ul style="list-style-type: none"> Make a list of slogans coined by political parties Interdisciplinary Linkages <ul style="list-style-type: none"> History, Economics
September	Half Yearly Examination			
Topic: Crisis of the Democratic Order No. of Periods: 13	<ul style="list-style-type: none"> Search for 'committed' bureaucracy and judiciary. Navnirman movement in Gujarat and the Bihar movement. Emergency: context, constitutional and extra-constitutional dimensions, resistance to emergency. 1977 elections and the formation of Janata Party. Rise of civil liberties organizations. 	Video <ul style="list-style-type: none"> The Emergency- Darkest era of independent India. 	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> Crisis of the Democratic Order Discussion of Scoring Points/ Marking Scheme/ Sample Questions Timeline / Concept Mapping Project: First Draft 	<ul style="list-style-type: none"> Core Skills <ul style="list-style-type: none"> Critical Thinking, Decision Making, Problem Solving Interdisciplinary Linkages <ul style="list-style-type: none"> History, Economics

Month Topic	Sub Topic	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
Topic: Popular Movements in India No. of Periods: 11	<ul style="list-style-type: none"> • Farmers' movements, Women's movement, Environment and Development-affected people's movements. • Implementation of Mandal Commission report and its aftermath. 	Video <ul style="list-style-type: none"> • Chipko movement and Narmada Bachaoo Andolan 	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Popular Movements in India ○ Security in Contemporary World ○ Environment and Natural Resources ○ Globalization • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Timeline / Concept Mapping • Project: Presentation 	<ul style="list-style-type: none"> • Core Skills <ul style="list-style-type: none"> ○ Critical Thinking, Decision Making, Problem Solving, Managing Emotions • Interdisciplinary Linkages <ul style="list-style-type: none"> ○ History, Economics and Geography
October Topic: Security in Contemporary World No. of Periods: 11	<ul style="list-style-type: none"> • Traditional concerns of security and politics of disarmament. • Non-traditional or human security: global poverty, health and education. • Issues of human rights and migration. 	Video <ul style="list-style-type: none"> • Human security. • Climate change as a non-traditional security treat. 		<ul style="list-style-type: none"> • Core Skills <ul style="list-style-type: none"> ○ Critical Thinking, Decision Making, Problem Solving, Interpersonal relationship • Art Integration <ul style="list-style-type: none"> ○ Skit • Interdisciplinary Linkages <ul style="list-style-type: none"> ○ History, Biology, Economics
Topic: Environment and Natural Resources No. of Periods: 11	<ul style="list-style-type: none"> • Environment movement and evolution of global environmental norms. • Conflicts over traditional and common property resources. • Rights of indigenous people. India's stand in global environmental debates. 	Video <ul style="list-style-type: none"> • Rio 20 – The Future we want • UNEP - What we do 		<ul style="list-style-type: none"> • Core Skills <ul style="list-style-type: none"> ○ Empathy, Critical Thinking, Problem Solving • Art Integration <ul style="list-style-type: none"> ○ Make the poster on conservation of resources • Interdisciplinary Linkages <ul style="list-style-type: none"> ○ History, Economics, Geography and Science
Topic: Globalization No. of Periods: 11	<ul style="list-style-type: none"> • Economic, cultural and political manifestations. • Debates on the nature of consequences of globalization. • Anti-globalization movements. • India as an arena of globalization and struggle against it. 	Video <ul style="list-style-type: none"> • *WTO 		<ul style="list-style-type: none"> • Core Skills <ul style="list-style-type: none"> ○ Critical Thinking, Decision Making, Interpersonal relationship, Problem Solving • Interdisciplinary Linkages <ul style="list-style-type: none"> ○ History, Economics

Month Topic	Sub Topic	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
November Topic: Regional Aspirations No. of Periods: 11	<ul style="list-style-type: none">• Rise of regional parties. Punjab crisis and the anti-Sikh riots of 1984.• The Kashmir situation.• Challenges and responses in the North East.	Video <ul style="list-style-type: none">• Talks about the Kashmir crisis• Operation Blue star in 1984• Insurgency of ULFA in Assam• Clippings showing agitation by mizo national front.	<ul style="list-style-type: none">• Assignment<ul style="list-style-type: none">○ Regional Aspirations○ Recent Developments in Indian Politics• Discussion of Scoring Points/ Marking Scheme/ Sample Questions• Timeline / Concept Mapping• Project: Final Submission	<ul style="list-style-type: none">• Core Skills<ul style="list-style-type: none">○ Critical Thinking, Decision Making, Interpersonal relationship, Problem Solving• Interdisciplinary Linkages<ul style="list-style-type: none">○ History, Economics
Topic: Recent Developments in Indian Politics No. of Periods: 11	<ul style="list-style-type: none">• Participatory upsurge in 1990s.• Rise of the JD and the BJP. Increasing role of regional parties and coalition politics.• Coalition governments: NDA (1998-2004) UPA (2004-2014) NDS (2014 onwards)	Video <ul style="list-style-type: none">• The advent of coalition era in Indian politics. Mandal Commission and the fall of V.P Singh Government.• Adhoya issue		<ul style="list-style-type: none">• Core Skills<ul style="list-style-type: none">○ Critical Thinking, Decision Making, Problem Solving• Art Integration<ul style="list-style-type: none">○ Let’s re-search• Interdisciplinary Linkages<ul style="list-style-type: none">○ History, Economics
December	Pre Board Examination			
January	Revision			
February	Revision			
March	Annual Examination			

EXAMINATION SYLLABUS

PERIODIC TEST – 1

Part A: Contemporary World Politics

- Cold War Era
- The End of Bipolarity

Part B: Politics in India since Independence

- Challenges of Nation- Building
- Era of One-Party Dominance

HALF YEARLY EXAMINATION

Part A: Contemporary World Politics

- Chapters 1 to 6

Part B: Politics in India since Independence

- Chapters 10 to 14

PRE-BOARD EXAMINATION

Full Syllabus

NOTE: There will be a class test and assignment after every Chapter.

Curriculum Plan of Mathematics
(Session: 2019-2020)

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
April Topic: Inverse Trigonometric Functions No. of Periods: 15	Definition, range, domain, principal value branch. Graphs of inverse trigonometric Functions Elementary properties of inverse trigonometric functions.	<ul style="list-style-type: none"> To draw the graph of $\sin^{-1}x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$) To explore the principal value of the function $\sin^{-1}x$ using a unit circle. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Inverse Trigonometric Functions
Topic: Matrices No. of Periods: 25	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Algebra of Matrices
Topic: Determinants No. of Periods: 25	Determinant of a square matrix (up to 3×3 matrices), properties of determinants, minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Determinants (especially operation based and system of equations)

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
May Topic: Continuity and Differentiability No. of Periods: 20	Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. Rolle's and Lagrange's Mean Value Theorems (without proof) and their geometric interpretation.	<ul style="list-style-type: none"> To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Continuity, differentiability and Derivatives of various functions
Topic: Applications of Derivatives No. of Periods: 10	Applications of derivatives: rate of change of bodies, increasing/decreasing functions, tangents and normal use of derivatives in approximation, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).	<ul style="list-style-type: none"> To verify Rolle's Theorem & Lagrange's Theorem To understand the concepts of decreasing and increasing functions 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Applications of derivatives (especially increasing-decreasing functions & maxima-minima concept)
July Topic: Integrals No. of Periods: 20	<p>Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.</p> $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}$ $\int \frac{px + q}{ax^2 + bx + c} dx, \int \frac{px + q}{\sqrt{ax^2 + bx + c}} dx, \int \sqrt{a^2 \pm x^2} dx, \int \sqrt{x^2 - a^2} dx$ $\int \sqrt{ax^2 + bx + c} dx, \int (px + q)\sqrt{ax^2 + bx + c} dx$ <p>Definite integrals as a limit of a sum, Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p>	<ul style="list-style-type: none"> To evaluate the definite integral $\int_a^b \sqrt{1-x^2} dx$ as the sum and verify it by actual integration. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Definite & Indefinite integrals

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
Topic: Applications of the Integrals No. of Periods: 15	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only), Area between any of the two above said curves (the region should be clearly identifiable).		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Areas bounded by the curves (including all type of equations)
August Topic: Differential Equations No. of Periods: 15	Definition, order and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $\frac{dy}{dx} + py = q$, where p and q are functions of x or constants. $\frac{dx}{dy} + px = q$, where p and q are functions of y or constants.		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Differential equations (especially homogeneous equations & linear differential equations)
Topic: Vectors No. of Periods: 15	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors, scalar triple product of vectors.	<ul style="list-style-type: none"> To verify geometrically that $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Dot product, cross product and triple product of vectors
September	Half Yearly Examination			

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
October Topic: Three - dimensional Geometry No. of Periods: 15	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane.	<ul style="list-style-type: none"> To demonstrate the equation of a plane in normal form. To measure the shortest distance between two skew lines and verify it analytically. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on D.C.'s & D.R.'s of line, co planarity, Cartesian & vector equations, shortest distance between lines and study of plane.
Topic: Linear Programming No. of Periods: 20	Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).		Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on Formulation of L.P.P., feasible & infeasible solutions
November Topic: Probability No. of Periods: 30	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean and variance of random variable.	<ul style="list-style-type: none"> To explain the computation of conditional probability of a given event A, when event B has already occurred through an example of throwing a pair of dice. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on conditional probability, Bayes' Theorem, random variable, probability distribution, mean and variance of random variable.
Topic: Relations and Functions No. of Periods: 15	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and on to functions, composite functions, inverse of a function.	<ul style="list-style-type: none"> To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m): l \parallel m\}$ is an equivalence relation. To demonstrate a function which is one-one but not onto. 	Discussion of Scoring Points/ Marking Scheme/ Sample Questions	Assignment on type of Relations, inverse of function, binary operation, one-one, many one, onto functions.

Month Topic	Sub Topic	Concept/ Mathematics Activities	Discussion	Assignment
December	Pre Board Examination			
January	Revision			
February	Revision			
March	Annual Examination			

EXAMINATION SYLLABUS

Periodic Test - 1

- Inverse Trigonometric Functions
- Matrices
- Determinants

Half Yearly Examination

- Inverse Trigonometric Functions
- Matrices
- Determinants
- Continuity and Differentiability
- Applications of Derivatives
- Integrals
- Applications of Integrals
- Differential Equations
- Vectors

Pre Board Examination

Full Syllabus

NOTE: There will be a class test after every chapter.

Curriculum Plan of Computer Science
(Session: 2019-2020)

Month/Topic	Theory	Practical/Project	Miscellaneous
April No. of periods: 31 Topic: Review Topic: Object Oriented Programming Topic: Implementation of OOP concepts in C++	<ul style="list-style-type: none"> ➤ C++ covered in Class XI ➤ Concepts of OOP <ul style="list-style-type: none"> • Data hiding • Data encapsulation • Class and Object • Abstract class and Concrete class • Polymorphism (Implementation of polymorphism using Function overloading as an example in C++) • Inheritance ➤ Advantages of OOP over earlier programming methodologies ➤ Definition of a class ➤ Member of a class – Data Members and Member Functions (methods) ➤ Using Private and Public visibility modes, default visibility mode (private) 	<p style="text-align: center;">-</p> <p>Write a program to find area of following using function overloading.</p> <ul style="list-style-type: none"> • Area of circle (function with one parameter) • Area of rectangle (function with two parameters) • Area of triangle (function with three parameters) <p>1. Define a class worker with the following specification: <i>Private members of class worker:</i></p> <ul style="list-style-type: none"> • Wno, wname, hrwrk, wgrate, totwage • calcwg() A function to find hrwrk * wgrate <p><i>Public members of class worker:</i></p> <ul style="list-style-type: none"> • in_data() A function to accept values for wno, wname, hrwrk, wgrate and invoke calcwg (). • out_data() A function to display all the data members on the screen <p>2. Define a class Applicant with the following specification: <i>Private members:</i></p> <ul style="list-style-type: none"> • ANo, Name, Agg, Grade • A member function GradeMe() to find the Grades as per following criteria: 	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ header files, error finding, output based questions from C++ covered in class XI ○ Concepts of OOP ○ Classes and Objects • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Art Integration: Draw diagram to show inheritance • Inter disciplinary linkage: Mathematics • Core Skills: Problem solving, Creative thinking, Interpersonal Relationship

Month/Topic	Theory	Practical/Project	Miscellaneous										
Topic: Implementation of OOP concepts in C++	<ul style="list-style-type: none">➤ Member function definition: inside class definition and outside class definition using scope resolution operator (::)➤ Accessing members from object (s)➤ Objects as function arguments–pass by value and pass by reference	<table><tr><td>Aggregate Marks</td><td>Grade</td></tr><tr><td>≥ 80</td><td>A</td></tr><tr><td>Less than 80 and ≥ 65</td><td>B</td></tr><tr><td>Less than 65 and ≥ 50</td><td>C</td></tr><tr><td>Less than 50</td><td>D</td></tr></table> <p><i>Public members:</i></p> <ul style="list-style-type: none">• ENTER () to allow user to enter values for ANo, Name , Agg and call GradeMe ().• RESULT () to allow user to view the content of all the data members. <p>3. Define a class HOTEL with the following specification:</p> <p><i>Private members:</i></p> <ul style="list-style-type: none">• RNO, NAME, TARIFF, NOD• CALC () function to calculate and return Amount as NOD * Tariff and if the value of NOD * Tariff is more than 10000 then as 1.05 * NOD * Tariff <p><i>Public members:</i></p> <ul style="list-style-type: none">• Check_in() function to enter the content Rno, Name, Tariff and NOD• Check_out() function to display Rno, Name, Tariff, NOD and Amount (Amount to be displayed by calling function CALC ().) <p>4. Define a class Student with the following specification:</p> <p><i>Private members:</i></p> <ul style="list-style-type: none">• roll_no, name, Class, marks (an array of size 4), percentage• Calculate () function that calculates overall percentage and <p><i>Public members:</i></p> <ul style="list-style-type: none">• Read() to accept marks and invoke Calculate()• Display () function to print the data values <p>5. Define a class myfolder with the following specification:</p> <p><i>Private members:</i></p> <ul style="list-style-type: none">• Filenames - an array of strings of size [10][25] (to represent all the names of files under myfolder)• Availspace - long (total number of bytes available)	Aggregate Marks	Grade	≥ 80	A	Less than 80 and ≥ 65	B	Less than 65 and ≥ 50	C	Less than 50	D	<ul style="list-style-type: none">• Discussion of Scoring Points/ Marking Scheme/ Sample Questions• Art Integration: Draw diagram to show inheritance• Inter disciplinary linkage: Mathematics• Core Skills: Problem solving, Creative thinking, Interpersonal Relationship
Aggregate Marks	Grade												
≥ 80	A												
Less than 80 and ≥ 65	B												
Less than 65 and ≥ 50	C												
Less than 50	D												

Month/Topic	Theory	Practical/Project	Miscellaneous																
		<ul style="list-style-type: none">• Usedspace - long (total number of bytes used) <i>Public members:</i> <ul style="list-style-type: none">• Newfileentry() - A function to accept values for Filename, Availspace and Usedspace from user• Retavailspace() - A function that returns the value of total Kilobytes available(1 Kilobyte = 1024 bytes)• Showfiles() - A function that displays the names of all the files																	
Topic: Constructor and Destructor	<p>➤ Constructor</p> <ul style="list-style-type: none">• Special characteristics• Declaration and definition of a constructor• Default constructor• Overloaded constructors• Copy constructor• Constructor with default arguments	<p>1. Define a class TravelPlan:</p> <p><i>Private members:</i> PlanCode, Place, Number_of_travellers, Number_of_buses</p> <p><i>Public members:</i></p> <ul style="list-style-type: none">• A constructor to assign initial values of PlanCode as 1001, Place as “Agra”, Number_of_travellers as 5, Number_of_buses as 1• A function NewPlan() which allows user to enter PlanCode, Place and Number_of_travellers. Also, assign the value of Number_of_buses as follows: <table><thead><tr><th>Number_of_travellers</th><th>Number_of_buses</th></tr></thead><tbody><tr><td>Less than 20</td><td>1</td></tr><tr><td>Equal to or more than 20 and less than 40</td><td>2</td></tr><tr><td>Equal to 40 or more than 40</td><td>3</td></tr></tbody></table> <ul style="list-style-type: none">• A function Showplan() to display the content of all the data <p>2. Create the class SOCIETY with following information:</p> <p>Data members:</p> <p>society_name, house_no, no_of_members, flat, income</p> <p>Member functions:</p> <ul style="list-style-type: none">• A constructor to assign initial values of society_name as "Surya Apartments", flat as "A Type", house_no as 20, no_of_members as 3, income as 25000.• Inputdata() - to read data members(society, house_no, no_of_members& income) and call allocate_flat().• allocate_flat() - To allocate flat according to income <table><thead><tr><th>Income</th><th>Flat</th></tr></thead><tbody><tr><td>>=25000</td><td>A Type</td></tr><tr><td>>=20000 and <25000</td><td>B Type</td></tr><tr><td><15000</td><td>C Type</td></tr></tbody></table>	Number_of_travellers	Number_of_buses	Less than 20	1	Equal to or more than 20 and less than 40	2	Equal to 40 or more than 40	3	Income	Flat	>=25000	A Type	>=20000 and <25000	B Type	<15000	C Type	<ul style="list-style-type: none">• Assignment<ul style="list-style-type: none">○ Constructor and Destructor• Discussion of Scoring Points/ Marking Scheme/ Sample Questions• Inter disciplinary linkage: Mathematics• Core Skills: Problem solving, Creative thinking, Interpersonal Relationship
Number_of_travellers	Number_of_buses																		
Less than 20	1																		
Equal to or more than 20 and less than 40	2																		
Equal to 40 or more than 40	3																		
Income	Flat																		
>=25000	A Type																		
>=20000 and <25000	B Type																		
<15000	C Type																		

Month/Topic	Theory	Practical/Project	Miscellaneous								
Topic: Constructor and Destructor	<ul style="list-style-type: none">➤ Destructor<ul style="list-style-type: none">• Special Characteristics• Declaration and definition of destructor	<ul style="list-style-type: none">• Showdata() - to display the details of the entire class. <p>3. Define a class Photo in C++ with following specifications: Private members: PNo, Category, Exhibit</p> <ul style="list-style-type: none">• FixExhibit() to assign Exhibition Category as shown below: <table><tr><td>Category</td><td>Exhibit</td></tr><tr><td>Antique</td><td>Zaveri</td></tr><tr><td>Modern</td><td>Johnsen</td></tr><tr><td>Classic</td><td>Terenida</td></tr></table> <p>Public Members:</p> <ul style="list-style-type: none">• Register () to allow user to enter values Pno, Category and call FixExhibit() function• ViewAll() // A function to display all the data members	Category	Exhibit	Antique	Zaveri	Modern	Johnsen	Classic	Terenida	<ul style="list-style-type: none">• Project work<ul style="list-style-type: none">○ Converting structure into classes in the projects developed in class XI and define constructor
Category	Exhibit										
Antique	Zaveri										
Modern	Johnsen										
Classic	Terenida										
Topic: Inheritance	<ul style="list-style-type: none">• Concept of Inheritance• Base Class• Derived classes• Visibility mode<ul style="list-style-type: none">○ Private○ Protected○ Public• Privately derived, publicly derived and protectedly derived class• accessibility of members from objects and within derived class (es)• Single level inheritance• Multilevel Inheritance	<p>1. Define a class Shape with following specifications: Protected members: width integer, height integer Public members:</p> <ul style="list-style-type: none">• Set_width() function to assign the data member width with the help of a parameter passed as an argument to the function.• Set_height() function to assign the data member height with the help of a parameter passed as an argument to the function. <p>Define a class Rectangle derived from class Shape publically with following specifications: Public members:</p> <ul style="list-style-type: none">• getArea() function to return the area of rectangle by calculating width x height <p>2. Define a class person with following specifications: Data members: name, gender, age Public members:</p> <ul style="list-style-type: none">• getdata() function to accept values of data members from the user <p>Define a class employee derived from class person with following specifications: Data members: company - string, salary – float</p> <ul style="list-style-type: none">• display() function to display the data members on the screen	<ul style="list-style-type: none">• Assignment<ul style="list-style-type: none">○ Theory based questions on Single Inheritance○ Programming on single inheritance• Discussion of Scoring Points/ Marking Scheme/ Sample Questions• Art Integration Draw diagrams to show different types of inheritance• Core Skills: Problem solving, Creative thinking, Interpersonal Relationship								

Month/Topic	Theory	Practical/Project	Miscellaneous
Topic: Pointers	<ul style="list-style-type: none"> • Introduction to Pointer • Declaration and Initialization of Pointer • Dynamic memory allocation/ deallocation operators: new, delete • Pointers and Arrays <ul style="list-style-type: none"> ○ Array of Pointers ○ Pointer to an array (1d array) • Function returning a pointer • Reference variables and use of alias • Function call by reference • Pointer to structure: De-reference/ Deference operator: *, -> • Self-referential structure 	<ol style="list-style-type: none"> 1. Write a function set_big() having two integer type arguments passed by reference. The function sets the bigger of the two to -1. Also, call this function from main() . 2. Write a function swap() having two integer type arguments passed by reference. The function swaps the two given arguments. Also, call this function from main() . 	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Pointers (output based questions and programming) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Art Integration Draw diagrams to show memory allocation in arrays
May No. of periods: 25 Topic: Data File Handling	<ul style="list-style-type: none"> • Need for a data file • Types of data files – Text file and Binary file • Text File: Basic file operations on text file <ul style="list-style-type: none"> ○ Creating/Writing text into file ○ Reading and Manipulation of text from an already existing text File (accessing character by character). 	<ol style="list-style-type: none"> 1. Write a function in C++ create_txt() to create a text file “book.txt” and write two sentences about yourself. 2. Write a function which initializes a string variable to the content “Time is a great healer” and output the string one character at a time to the disk file “OUT.TXT”. Include all the header files required. 3. Write a function in C++ read_txt() to read from a text file “book.txt” and show one character at a time on screen. 4. Write a function in C++ char_txt() to read from a text file “book.txt” and count number of characters in it. 5. Write a function in C++ digit_txt() to read from a text file “book.txt” and count number of digits in it. 6. Write a function in C++ count_txt() to read from a text file “book.txt” and count number of capital alphabets, small alphabets, digits and other characters in it. 7. Write a function in C++ text_size() that displays the size of a file in bytes. 	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Text file (creation of text file and manipulation of a text file character by character) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Core Skills: Problem solving, Creative thinking, Interpersonal Relationship

Month/Topic	Theory	Practical/Project	Miscellaneous
Topic: Data File Handling	<ul style="list-style-type: none"> Text File: Basic file operations on text file <ul style="list-style-type: none"> Manipulation of text File (character by character). 	<ol style="list-style-type: none"> Write a function in C++ vowel_txt() to read from a text file "book.txt" and count number of vowels in it. Write a function in C++ copy_txt() to read from a text file "book.txt" and write to a text file called "NEW.TXT". 	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> Text file (manipulation of a text file line by line and word by word) Binary File Discussion of Scoring Points/ Marking Scheme/ Sample Questions
	<ul style="list-style-type: none"> Reading and Manipulation of text File (accessing line by line). 	<ol style="list-style-type: none"> Write a function display line by line from a text file "book.txt". Write a function count number of lines from a text file "book.txt". Write a function count number of lines starting / not starting with 'A' from a text file "book.txt". 	
	<ul style="list-style-type: none"> Reading and Manipulation of text File (accessing word by word). 	<ol style="list-style-type: none"> Write a function in C++ word_txt() to read from a text file "book.txt" and count number of times "is" appears (as an independent word) in it. Write a function in C++ word_txt() to read from a text file "book.txt" and count number of words starting with 't' in it. Write a function in C++ to count and display the no of four letter words in the file "words.txt" 	
	<ul style="list-style-type: none"> Binary File <ul style="list-style-type: none"> Creation of file Writing data into file Searching for required data from file Appending data to a file Insertion of data in sorted file Deletion of data from file Modification of data in a file Components of C++ to be used with file handling: <ul style="list-style-type: none"> Header file: fstream.h; ifstream, ofstream, classes; Opening a text file in—in, out, and app modes Using cascading operators (>>,<<) for writing text to the file and reading text from the file 	<ol style="list-style-type: none"> Assuming the class EMPLOYEE given below, write functions in C++ to perform the following: <ol style="list-style-type: none"> Write the objects of class EMPLOYEE to a binary file at the bottom Read the objects of class EMPLOYEE from binary file and display them on screen <pre>class EMPLOYEE { int ENO; char ENAME [30] ; public: void GETIT () { cin>> ENO ; gets(ENAME) ; } void SHOWIT () { cout<< ENO <<" ," << ENAME ; } };</pre> Write main() to display menu having the above mentioned choices and call the appropriate functions accordingly. Write a function to write record of a class 'student' to a binary file. Write a function to read objects from a binary file and show on screen. Write a function to read the objects of class 'student' from a binary file and show the records of students whose marks are between 50 and 75. Write a function to modify the record of 'Akash' in a binary file. Write a function to delete the record of 'Mohit' from a binary file. 	

Month/Topic	Theory	Practical/Project	Miscellaneous
July No. of periods: 39 Topic: Data File Handling	<ul style="list-style-type: none"> • open(), get (), read (), put (), write(), getline() and close() functions • Detecting end-of-file (with or without using eof() function), tellg(), tellp(), seekg(), seekp() 	Revision of Practical on the given topic. Project 1. Writing the object to binary file in append mode 2. Reading objects from binary file, searching for specific records and displaying the records on screen. 3. Updating specific records in a binary file. 4. Deleting the records from binary file.	<ul style="list-style-type: none"> • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Core Skills: Problem solving, Creative thinking, Empathy, Interpersonal Relationship
Topic: Arrays	<ul style="list-style-type: none"> • Introduction to data structure- array, stack queues primitive and non-primitive data structure, linear and non-linear structure, static and dynamic data structure. • One and two dimensional arrays • Sequential allocation and address calculation • One dimensional array <ul style="list-style-type: none"> ○ Traversal ○ Searching (Linear, Binary) ○ Insertion of an element in an array ○ Deletion of an element from an array ○ Sorting (Insertion, Selection, Bubble) 	5. Write a C++ program to perform linear search in a 1-D array. 6. Write a C++ program to perform binary search in a 1-D array. 7. Write a C++ program to arrange the numbers in ascending order using bubble sort 8. Write a C++ program to arrange the numbers in descending order using selection sort 9. Write a C++ program to arrange the numbers in ascending order using insertion sort 10. Write a C++ program to merge two sorted arrays in third one.	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Arrays (address calculation, binary search, sorting, merging) • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Art integration <ul style="list-style-type: none"> ○ Draw diagram to show memory allocation of one dimensional arrays • Inter disciplinary linkage: Mathematics • Core Skills: Problem solving, Creative thinking, Interpersonal Relationship
	<ul style="list-style-type: none"> • Two-dimensional arrays <ul style="list-style-type: none"> ○ Traversal ○ Finding sum/difference of two NxM arrays containing numeric values • Interchanging Row and Column elements in a two-dimensional array 	Write function in C++ to 1. add two 2-D arrays 2. multiply two 2-D arrays 3. insert an element in a sorted array 4. delete an element from an Array 5. find sum of diagonal elements in a 2-D array 6. find row/column sum of elements in a 2-D array.	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Programming in 2d Arrays • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Art integration <ul style="list-style-type: none"> ○ Diagram to show memory allocation of 2D arrays

Month/Topic	Theory	Practical/Project	Miscellaneous																								
August No. of periods: 37 Topic: Stack	<ul style="list-style-type: none"> • Introduction to stack • LIFO (Last in First out) Operations on stack (PUSH and POP) and its Implementation • Converting expressions from INFIX to POSTFIX notation and evaluation of Postfix expression 	<ol style="list-style-type: none"> 1. Write a C++ program to implement stack as an array. 2. Write a C++ program to implement stack as a link list. 	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Conversion of infix expressions to postfix ○ Evaluation of postfix expression using a stack ○ Programs on stacks and queues • Audio / Video <ul style="list-style-type: none"> ○ PPT and Video on stack & queue • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Art integration <ul style="list-style-type: none"> ○ Draw diagrams to show working of stack and queue • Inter disciplinary linkage: Mathematics • Core Skills: Problem solving, Creative thinking, Interpersonal Relationship 																								
Topic: Queue	<ul style="list-style-type: none"> • Introduction to Queue • FIFO (First in First out operations) Operations on Queue (Insert and Delete and its Implementation in C++ • Circular queue using array. 	<ol style="list-style-type: none"> 1. Write a C++ program to implement queue as an array. 2. Write a C++ program to implement queue as a link list. 3. Write a C++ program to implement circular queue as an array. 																									
September	Half Yearly Examination																										
October No. of periods: 30 Topic: Data base Concepts	<ul style="list-style-type: none"> • Introduction to database concepts and its need. • Relational data model: Concept of domain, tuple, relation, key, primary key, alternate key, candidate key. • Relational algebra: Selection, Projection, Union and Cartesian product 	Write SQL commands for the following: <ol style="list-style-type: none"> 1. Create following table: items with Itemno as primary key. Iname should not be blank. <table border="1"> <thead> <tr> <th>Itemno</th><th>Iname</th><th>Price</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>101</td><td>Soap</td><td>50</td><td>100</td></tr> <tr> <td>102</td><td>Powder</td><td>100</td><td>50</td></tr> <tr> <td>103</td><td>Cream</td><td>150</td><td>25</td></tr> <tr> <td>104</td><td>Pen</td><td>50</td><td>200</td></tr> <tr> <td>105</td><td>Soap box</td><td>20</td><td>100</td></tr> </tbody> </table> <ol style="list-style-type: none"> 2. add a column date_purchase of type 'date' 3. change the width of Iname to 25 characters. 4. remove field date_purchase. 5. remove the structure of Items table. 	Itemno	Iname	Price	Quantity	101	Soap	50	100	102	Powder	100	50	103	Cream	150	25	104	Pen	50	200	105	Soap box	20	100	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Database Concepts ○ SQL • Audio / Video <ul style="list-style-type: none"> ○ PPT on Relational Data Model • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Art integration <ul style="list-style-type: none"> ○ Draw diagrams to show relational data model • Inter disciplinary linkage: Mathematics • Core Skills: Problem solving, Creative thinking
Itemno	Iname	Price	Quantity																								
101	Soap	50	100																								
102	Powder	100	50																								
103	Cream	150	25																								
104	Pen	50	200																								
105	Soap box	20	100																								
Topic: Structured Query Language	<ul style="list-style-type: none"> • General Concepts: Advantages of using SQL, DDL and DML • Data Types: Number/Decimal, Character/ Varchar/ Varchar2, Date • SQL Commands: Create Table, Drop Table, Alter Table 																										

Month/Topic	Theory	Practical/Project	Miscellaneous																																																																																							
Topic: Structured Query Language	<ul style="list-style-type: none">SQL COMMANDS: UPDATE...SET..., INSERT, DELETE, SELECT, DISTINCT, FROM, WHERE, IN, BETWEEN, GROUP BY, HAVING, ORDER BYSQL functions: SUM(), AVG(), COUNT(), MAX() and MIN()Obtaining results (SELECT query) from 2 tables using equi-join, Cartesian Product and Union	<p>1. Create a table flight with following structure: Table: FLIGHT</p> <table><tr><th>FL_NO (90 characters)</th><th>STARTING (90 characters)</th><th>ENDING (90 characters)</th><th>NO_FLIGHTS (Integer)</th><th>NO_STOPS (Integer)</th></tr></table> <p>2. Insert 9 records in above table with following values:</p> <table><tr><th>FL_NO</th><th>STARTING</th><th>ENDING</th><th>NO_FLIGHTS</th><th>NO_STOPS</th></tr><tr><td>IC301</td><td>Mumbai</td><td>Delhi</td><td>8</td><td>0</td></tr><tr><td>IC799</td><td>Bangalore</td><td>Delhi</td><td>2</td><td>1</td></tr><tr><td>MC101</td><td>Indore</td><td>Mumbai</td><td>3</td><td>0</td></tr><tr><td>IC302</td><td>Delhi</td><td>Mumbai</td><td>8</td><td>0</td></tr><tr><td>AM812</td><td>Kanpur</td><td>Bangalore</td><td>3</td><td>1</td></tr><tr><td>IC899</td><td>Mumbai</td><td>Kochi</td><td>1</td><td>4</td></tr><tr><td>AM501</td><td>Delhi</td><td>Trivandrum</td><td>1</td><td>5</td></tr><tr><td>MU499</td><td>Mumbai</td><td>Madras</td><td>3</td><td>3</td></tr><tr><td>IC701</td><td>Delhi</td><td>Ahmedabad</td><td>4</td><td>0</td></tr></table> <p>3. Create another table fares with following structure: TABLE: FARES</p> <table><tr><th>FL_NO (90 characters)</th><th>AIRLINES (90 characters)</th><th>FARE (integer)</th><th>TAX (integer)</th></tr></table> <p>4. Insert 7 records in above table with following values:</p> <table><tr><th>FL_NO</th><th>AIRLINES</th><th>FARE</th><th>TAX</th></tr><tr><td>IC701</td><td>Indian Airlines</td><td>6500</td><td>10</td></tr><tr><td>MU499</td><td>Sahara</td><td>10400</td><td>5</td></tr><tr><td>AM501</td><td>Jet Airways</td><td>13450</td><td>8</td></tr><tr><td>IC302</td><td>Indian Airlines</td><td>4300</td><td>10</td></tr><tr><td>IC799</td><td>Indian Airlines</td><td>10500</td><td>10</td></tr><tr><td>MC101</td><td>Deccan Airlines</td><td>3500</td><td>4</td></tr></table>	FL_NO (90 characters)	STARTING (90 characters)	ENDING (90 characters)	NO_FLIGHTS (Integer)	NO_STOPS (Integer)	FL_NO	STARTING	ENDING	NO_FLIGHTS	NO_STOPS	IC301	Mumbai	Delhi	8	0	IC799	Bangalore	Delhi	2	1	MC101	Indore	Mumbai	3	0	IC302	Delhi	Mumbai	8	0	AM812	Kanpur	Bangalore	3	1	IC899	Mumbai	Kochi	1	4	AM501	Delhi	Trivandrum	1	5	MU499	Mumbai	Madras	3	3	IC701	Delhi	Ahmedabad	4	0	FL_NO (90 characters)	AIRLINES (90 characters)	FARE (integer)	TAX (integer)	FL_NO	AIRLINES	FARE	TAX	IC701	Indian Airlines	6500	10	MU499	Sahara	10400	5	AM501	Jet Airways	13450	8	IC302	Indian Airlines	4300	10	IC799	Indian Airlines	10500	10	MC101	Deccan Airlines	3500	4	<ul style="list-style-type: none">Assignment<ul style="list-style-type: none">SQL (writing SQL commands for the given queriesFinding output of SQL commandsDiscussion of Scoring Points/ Marking Scheme/ Sample QuestionsInter disciplinary linkage: MathematicsCore Skills: Problem solving, Creative thinking
FL_NO (90 characters)	STARTING (90 characters)	ENDING (90 characters)	NO_FLIGHTS (Integer)	NO_STOPS (Integer)																																																																																						
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Month/Topic	Theory	Practical/Project	Miscellaneous
Topic: Structured Query Language		5. Display FL_NO and number of flights from Kanpur to Bangalore from table Flight. 6. Arrange the contents of the table flight in ascending order of flight no. 7. Display the details of those Flights whose destination is Mumbai. 8. Display the details of those Flights which are not stopping in-between. 9. Display details of Flights where no_flights are not more than 5 in descending order of FL_NO. 10. Display the minimum fare offered by “Indian Airlines”. 11. Display the FL_NO and fare to be paid for the flights from DELHI using the tables FLIGHT and FARE, where fare to be paid = FARE + FARE x TAX/100 12. Count number of flights from Delhi. 13. Find the average fare of Indian Airlines. 14. Count number of flights whose FL_NO starts with “I”. 15. Increase the fare of “Sahara” Airlines by 1000. 16. Delete the record of “India Airlines”. 17. Display FL_NO, STARTING, ENDING from FLIGHT table, AIRLINES, FARE from FARE table according to their matching FL_NO.	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ SQL (writing SQL commands for the given queries) ○ Finding output of SQL commands • Discussion of Scoring Points/ Marking Scheme/ Sample Questions • Inter disciplinary linkage: Mathematics • Core Skills: Problem solving, Creative thinking, Interpersonal Relationship
November No. of periods: 36 Topic: Boolean Algebra	Role of Logical Operations in Computing. <ul style="list-style-type: none"> • Binary-valued Quantities • Boolean Variable, Boolean Constant and Boolean Operators: AND, OR, NOT • Truth Tables • Closure Property, Commutative Law, Associative Law, Identity law, Inverse Law, Principle of Duality, Idempotent Law, Distributive Law, Absorption Law, Involution 	-	<ul style="list-style-type: none"> • Assignment <ul style="list-style-type: none"> ○ Boolean Algebra • Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month/Topic	Theory	Practical/ Project	Miscellaneous
	<p>Law, DeMorgan's Law and their applications</p> <ul style="list-style-type: none"> Obtaining Sum of Product (SOP) and Product of Sum (POS) form from the Truth Table Reducing Boolean Expression (SOP and POS) to its minimal form. Use of Karnaugh Map for minimization of Boolean expressions (up to 4 variables). Application of Boolean Logic: Digital electronic circuit design using basic Logic Gates (NOT, AND, OR, NAND, NOR), Use of Boolean operators (NOT, AND, OR) in search engine queries. 	-	<ul style="list-style-type: none"> Inter disciplinary linkage: Mathematics Core Skills: Problem solving, Creative thinking, Interpersonal Relationship
Topic: Communication Technologies	<ul style="list-style-type: none"> Evolution of Networking: ARPANET, Internet, Interspace. Different ways of sending data across the network with reference to switching techniques (Circuit and Packet switching). Data Communication terminologies: Concept of Channel, Bandwidth (Hz, KHz, MHz) and Data transfer rate Transmission media: Twisted pair cable, coaxial cable, optical fiber, infrared, radio link, microwave link and satellite link. Network devices: Modem, RJ45 connector, Ethernet Card, Router, Repeater, Switch, Gateway, wifi card Network Topologies and types: Bus, Star, Tree, PAN, LAN, WAN, MAN. Network Protocol: TCP/IP, File Transfer Protocol (FTP), PPP, SMTP, POP3, Remote Login (Telnet), Internet Wireless/Mobile Communication protocol such as GSM, CDMA, GPRS, WLL. Mobile Telecommunication Technologies: 1G, 2G, 3G and 4G Electronic mail protocols such as SMTP, POP3, protocols for Chat and Video Conferencing VOIP Wireless technologies such as Wi-Fi and WiMax Network Security Concepts: Threats and prevention from Viruses, Worms, Trojan horse, Spams; Use of Cookies, Protection using Firewall. India IT Act, Cyber Law, Cyber Crimes, IPR issues, hacking. 	-	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> Communication Technologies Audio / Video <ul style="list-style-type: none"> Video on Evolution of networking and switching techniques Video on transmission media Video on network devices Video on Network Topologies and types of networks Discussion of Scoring Points/ Marking Scheme/ Sample Questions Art Integration <ul style="list-style-type: none"> Draw diagrams to show different types of topologies Core Skills: Empathy, Interpersonal Relationship

Month/Topic	Theory	Practical/ Project	Miscellaneous
Topic: Communication Technologies	<ul style="list-style-type: none"> Introduction to Web services: WWW, Hyper Text Markup Language (HTML), eXtensible Markup Language (XML), Hyper Text Transfer Protocol (HTTP), Domain Names, URL, Website, Web browser, Web Servers, Web Hosting, Web Scripting - Client side (VB Script, Java Script, PHP) and Server side (ASP, JSP, PHP), Web 2.0 (for social networking), E-commerce payment transactions using online banking, mobile banking and payment apps and services. 	-	<ul style="list-style-type: none"> Assignment <ul style="list-style-type: none"> Communication Technologies Discussion of Scoring Points/ Marking Scheme/ Sample Questions Core Skills: Empathy, Interpersonal Relationship
December	Pre Board Examination		
January	Revision		
February	Revision		
March	Annual Examination		

EXAMINATION SYLLABUS

PERIODIC TEST - 1

Unit 1: Object Oriented Programming with C++

- Chapter 1 Review of C++
- Chapter 2 Concept of Object Oriented Programming
- Chapter 3 Classes and Objects
- Chapter 4 Constructor and Destructor
- Chapter 5 Inheritance
- Chapter 6 Pointers

HALF YEARLY EXAMINATION

Unit 1: Object Oriented Programming in C++

Unit 2: Data Structures: Arrays

PRE-BOARD EXAMINATION

Full syllabus

NOTE: There will be a class test and assignment after every chapter.

Curriculum Plan of Physical Education
(Session: 2019-2020)

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
April Topic: Planning in Sports No. of periods:	<ul style="list-style-type: none"> ➤ Meaning & Objectives of Planning ➤ Various Committees & its Responsibilities (pre; during & post) ➤ Tournament – Knock-Out, League Or Round Robin & Combination ➤ Procedure to Draw Fixtures – Knock-Out (Bye & Seeding) & League (Staircase & Cyclic) ➤ Intramural & Extramural – Meaning, Objectives & Its Significance ➤ Specific Sports Programme (Sports Day, Health Run, Run For Fun, Run For Specific Cause & Run For Unity) 	Video on Knock out & League tournament. Specific sports Programme.		<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
Topic: Sports & Nutrition	<ul style="list-style-type: none"> ➤ Balanced Diet & Nutrition: Macro & Micro Nutrients ➤ Nutritive & Non-Nutritive Components of Diet ➤ Eating for Weight Control – A Healthy Weight, The Pitfalls of Dieting, Food Intolerance & Food Myths 	Video on Balanced Diet		
Topic: Yoga & Lifestyle	<ul style="list-style-type: none"> ➤ Asanas as preventive measures ➤ Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardh Matsyendrasana ➤ Diabetes: Procedure, Benefits & contraindications for Bhujangasana, Paschimottasana, Pavan Muktasana, Ardh Matsyendrasana ➤ Asthema: Procedure, Benefits & contraindications for Sukhasana, Chakrasana, Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasana ➤ Hypertension: Tadasana, Vajrasana, Pavan Muktasana, Ardha Chakrasana, Bhujangasana, Sharasana ➤ Back Pain: Tadasana, Ardh Matsyendrasana, Vakrasana, Shalabhasana, Bhujangasan 	Video on Procedure, Benefits on yoga with lifetime disease		

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
Topic: Physical Education & Sports for CWSN (Children With Special Needs - Divyang)	<ul style="list-style-type: none"> ➤ Concept of Disability & Disorder ➤ Types of Disability, its causes & nature (cognitive disability, intellectual disability, physical disability) ➤ Types of Disorder, its cause & nature (ADHD, SPD, ASD, ODD, OCD) ➤ Disability Etiquettes ➤ Advantage of Physical Activities for children with special needs ➤ Strategies to make Physical Activities assessable for children with special need 	Video on Differentiations Between Disability & Disorder		<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
May Topic: Children & Women in Sports	<ul style="list-style-type: none"> ➤ Motor development & factors affecting it ➤ Exercise Guidelines at different stages of growth & Development ➤ Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, Kyphosis, Bow Legs and Scoliosis and their corrective measures ➤ Sports participation of women in India ➤ Special consideration (Menarch & Menstrual Disfunction) ➤ Female Athletes Triad (Oestoperosis, Amenoria, Eating Disorders) 	Video on Common Postural deformities in children	Fitness tests administration for all items.	<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
Topic Test & Measurement in Sports	<ul style="list-style-type: none"> ➤ Motor Fitness Test – 50 M Standing Start, 600 M Run/Walk, Sit & Reach, Partial Curl Up, Push Ups (Boys), Modified Push Ups (Girls), Standing Broad Jump, Agility – 4x10 M Shuttle Run ➤ General Motor Fitness – Barrow three item general motor ability (Standing Broad Jump, Zig Zag Run, Medicine Ball Put – For Boys: 03 Kg & For Girls: 01 Kg) ➤ Measurement of Cardio Vascular Fitness – Harvard Step Test/Rockport Test - Computation of Fitness Index: Duration of the Exercise in Seconds x 100 5.5 x Pulse count of 1-1.5 Min after Exercise ➤ Rikli & Jones - Senior Citizen Fitness Test <ol style="list-style-type: none"> 1. Chair Stand Test for lower body strength 2. Arm Curl Test for upper body strength 3. Chair Sit & Reach Test for lower body flexibility 4. Back Scratch Test for upper body flexibility 5. Eight Foot Up & Go Test for agility 6. Six Minute Walk Test for Aerobic Endurance 	Video on Test & Measurement	Procedure for Asanas, Benefits & Contra-indication for any two Asanas for each lifestyle disease.	<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
July Topic: Physiology & Injuries in Sports	<ul style="list-style-type: none"> ➤ Physiological factor determining component of Physical Fitness ➤ Effect of exercise on Cardio Respiratory System ➤ Effect of exercise on Muscular System ➤ Physiological changes due to ageing ➤ Sports injuries: Classification (Soft Tissue Injuries:(Abrasion, Contusion, Laceration, Incision, Sprain & Strain) Bone & Joint Injuries: (Dislocation, Fractures: Stress Fracture, Green Stick, Communated, Transverse Oblique & Impacted) Causes, Prevention & treatment ➤ First Aid – Aims & Objectives 	Video on Sports injuries	Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.	<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
August Topic: Biomechanics & Sports	<ul style="list-style-type: none"> ➤ Meaning and Importance of Biomechanics in Sports ➤ Types of movements (Flexion, Extension, Abduction & Adduction) ➤ Newton’s Law of Motion & its application in sports ➤ Friction & Sports 	Video on Components of biomechanics	Any one game of your choice out of the list above. Labelled diagram of field & equipment (Rules, Terminologies & Skills).	<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
September Topic: Psychology & Sports	Half Yearly Examination			
	<ul style="list-style-type: none"> ➤ Personality; its definition & types – Trait & Types (Sheldon & Jung Classification) & Big Five Theory ➤ Motivation, its type & techniques ➤ Exercise Adherence; Reasons to Exercise, Benefits of Exercise ➤ Strategies for Enhancing Adherence to Exercise ➤ Meaning, Concept & Types of Aggressions in Sports 	Video on Big five theory, Aggressions in sports		<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
October Topic: Training in Sports	<ul style="list-style-type: none"> ➤ Strength – Definition, types & methods of improving Strength – Isometric, Isotonic & Isokinetic ➤ Endurance - Definition, types & methods to develop Endurance – Continuous Training, Interval Training & Fartlek Training 	Video on all types of sports training		

Month Topic	Sub Topic	Audio Visual Inputs	Practical	Miscellaneous
Topic: Training in Sports	<ul style="list-style-type: none"> ➤ Speed – Definition, types & methods to develop Speed – Acceleration Run & Pace Run ➤ Flexibility – Definition, types & methods to improve flexibility ➤ Coordinative Abilities – Definition & types ➤ Circuit Training - Introduction & its importance 			<ul style="list-style-type: none"> • Assignment • Discussion of Scoring Points/ Marking Scheme/ Sample Questions
November	Revision			
December	Pre Board Examination			
January	Revision			
February	Revision			
March	Annual Examination			

EXAMINATION SYLLABUS



PERIODIC TEST - 1

Unit 1

HALF YEARLY EXAMINATION

Units 1 to 7

PRE-BOARD EXAMINATION

Full Syllabus

NOTE: There will be a class test and assignment after every chapter.

अभिभावक कृपया ध्यान दें

1. स्कूल में अपना पता तथा टेलीफोन नंबर हमेशा सही-सही लिखवा कर रखें, जिससे की इमरजेंसी में आपसे बिना विलंब के संपर्क साधा जा सके | अपने बच्चे को स्कूल शुरू होने के आधे घंटे पहले तथा स्कूल खत्म होने के आधे घंटे बाद से ज्यादा देर तक स्कूल में न छोड़ें |
2. अपने बच्चे का टिफिन अनजान व्यक्ति के हाथ से न भेजें, वह नहीं लिया जाएगा | अपने बच्चे को ले जाने के लिए अनजान व्यक्ति को न भेजें, उसके साथ बच्चा नहीं भेजा जाएगा |
3. कृपया बच्चे की फीस लोकल बैंक से अप्रैल, जुलाई, अक्टूबर तथा जनवरी की दस तारीख तक जमा करवा दें / उसके बाद 1 रु. प्रतिदिन फाइन लगेगा / अगर आपका बैंक किसी कारण से वापिस आता है तो 500 रुपये पेनल्टी तथा लेट फी फाइन लगेगा एवं फीस केवल ड्राफ्ट द्वारा ली जाएगी / दूसरी बार बैंक नहीं लिया जाएगा /
4. देर से आने वाले बच्चों को वापिस भेज दिया जाएगा /

अभिभावक के हस्ताक्षर