

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ANNUAL
PEDAGOGICAL
PLAN

CLASS XII COMMERCE

(SESSION: 2021-22)

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

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

April 2021 (Working Days = 24)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			1	2	3	4
5 Session begins	6	7 World Health Day	8	9	10 Holiday for students on account of 2 nd Saturday	11
12 International Day of Human Space Flight	13 Baisakhi Celebratons	14 Event on Dr. B. R. Ambedkar Jayanti	15	16	17	18 World Heritage Day
19	20	21 Holiday (Ram Navami) World Creativity and Innovation Day	22 Poster Making on World Earth Day/ International Mother Earth Day	23 World Book & Copyright Day / English Language Day	24	25 Holiday (Mahavir Jayanti)
26	27	28	29	30 Parent Teacher Meeting	Notes:	

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

May 2021 (Working Days = 23)

May 2021 (Working Days = 23)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1 International Labour Day	2
3 World Press Freedom Day					8 Holiday for students on account of 2 nd Saturday World Red Cross Day	9 Guru Rabindranath's Birthday
10 Mother's Day Commencement of Periodic Test I		12 World Migratory Bird Day		14 Holiday (Parshuram Jayanti / Eid-UL-Fitr)	15 International Day of Families	16 International day of Light / International Day of Living together in peace
17 World Telecommunication and Info. Society Day Culmination of Periodic Test I			20 World Bee Day	21 World day for cultural diversity for dialogue and development	22 International day for Biological Diversity	
CAREER WEEK						
		26 Holiday (Buddha Purnima)			29 International Day of UN Peace keepers	
31 Anti Tobacco Day	Notes:					

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

June 2021 (Working Days = 5)**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1 *Summer Break for class VI - VIII Global Day of Parents	2	3 World Bicycle Day	4	5 World Environment Day	6
7 *Commencement of Summer Break for Class IX - XII	8 World Ocean Day	9	10	11	12 World Day against Child Labour	13 Maharana Pratap Jayanti
14 Guru Arjun Dev Shaheedi Diwas	15 World Elder Abuse Awareness Day	16	17 World Day to Combat Desertification and Drought	18 Sustainable Gastronomy Day	19	20
21 International Day of Yoga	22	23	24 Sant Kabir Jayanti	25	26 International Day against Drug Abuse	27 Micro small and medium sized Enterprises Day
28	29	30 International Asteroid Day	* Subject to change as per Govt. Instructions Note: Commencement of new Session for Class XI will be announced later.			

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

July 2021 (Working Days = 26)

July 2021 (Working Days = 26)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			1 The school will open after Summer Vacation Commencement of Van Mahotsav Week			
5	6	7	8	9	10 Holiday for students on account of 2 nd Saturday	11 World Population Day
12	13	14	15 World Youth Skills Day	16 Inter House Taekwondo Championship	17	
19	20	21 Id-Ul-Juha / Bakr Id	22	23	24 Guru Purnima	25
26 Kargil Vijay Diwas	27 World Nature Conservation Day	28	29	30 Investiture Ceremony	31 Parent Teacher Meeting	Notes:
					Shaheed Udham Singh Martyrdom Day	

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

August 2021 (Working Days = 22)

August 2021 (Working Days = 22)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
						1
2	3	4	5 Inter House Yoga Competition	6	7 Holiday for students on account of 2nd Saturday	8
9 Independence Celebrations Week	10 Commencement of Sanskrit Week	11 Holiday (Hariyali Teej)	12 International Youth Day		13 Independence Celebrations Week	14 Holiday (Independence Day)
16	17	18	19	20 Holiday (Muharram)	21 World Senior Citizens' Day	22 Holiday (Raksha Bandhan)
23	24	25	26	27	28	29 National Sports Day
30 Holiday (Janmashtami)	31 Parent Teacher Meeting	Notes:				

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ACADEMIC CALENDAR 2021-22

September 2021 (Working Days = 25)

September 2021 (Working Days = 25)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		1	2	3	4 Teachers' Day Celebrations	5 Teachers' Day / International Day of Charity
6	7	8 International Literacy Day	9	10 Commencement of Half Yearly Exam.	11 Holiday for students on account of 2nd Saturday	
13	14 हिन्दी दिवस	15	16 International Day for the preservation of Ozone layer	17	18 Culmination of Half Yearly Exam.	
20	21 International Day of Peace	22	23 Shaheedi Diwas / Haryana War Heroes' Martyrdom Day International Day of sign languages	24	25	26 World Maritime Day
27 World Tourism Day	28	29 World Deaf Day	30 Parent Teacher Meeting	Notes:		

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ACADEMIC CALENDAR 2021-22

October 2021 (Working Days = 22)

October 2021 (Working Days = 22)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
				1 International Day for the Elderly	2 Mahatama Gandhi Jayanti / International Day of Non-Violence	3
4 World Animal Welfare Day			7 Maharaja Agrasen Jayanti / World Habitat Day		9 Holiday for students on account of 2 nd Saturday World Post Day	10 World Mental Health Day
11 International Day of the Girl Child			14 Holiaday (Ram Navmi)	15 Holiaday (Dussehra)	16 World Food Day	17 International day for the Eradication of Poverty
	19 Holiday (Id-E-Milad)	20 Maharishi Valmiki Jayanti				24 Holiday (Karva Chauth) United Nations Day
25	26	27	28	29	30	31
ENGLISH WEEK						

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

November 2021 (Working Days = 20)

November 2021 (Working Days = 20)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 Holiday (Haryana Day)	2	3	4 Holiday (Diwali)	5 Holiday (Govardhan Pooja) World Tsunami Awareness Day	6 Holiday (Bhai Dooj)	7
8	9	10	11	12	13 Holiday for students on account of 2nd Saturday	14 Children's Day
15	16	17	18	19 Holiday (Guru Nanak Dev Jayanti)	20	21 World Television Day
22	23	24 Guru Teg Bahadur Shaheedi Diwas	25 International Day for the Elimination of Violence Against Women	26 Constitution Day	27	28
29	30 Parent Teacher Meeting	Notes:				

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

December 2021 (Working Days = 25)

December 2021 (Working Days = 25)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		1 World AIDS Day	2	3 International Day of Persons with Disabilities	4 Commencement of Periodic Test - 2 / Pre-Board Exam. Indian Navy Day	5 World Soil Day
6	7 Indian Armed Forces Flag Day	8	9	10 Human Rights Day	11 Holiday for students on account of 2nd Saturday Intl. Mountain Day	12
13 Culmination of Periodic Test - 2 / Pre-Board Exam.	14	15	16	17	18	19
20	21	22 National Mathematics Day	23 Kisan Diwas	24 Christmas Celebrations	25 Holiday (Christmas) Good Governance Day	26 Shaheed Udham Singh Jayanti
27	28	29	30	31 Parent Teacher Meeting	Notes:	

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

January 2022 (Working Days = 17)

January 2022 (Working Days = 17)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1 *Commencement of Winter Break	2
3	4 Braille Day	5	6	7	8 *Culmination of Winter Break	9
10	11	12 Swami Vivekananda's Birthday	13 Lohri	14 Holiday (Makar Sankranti)	15	16
17	18	19	20	21	22	23
24 International Day of Education	25 Republic Day Celebrations Farewell to Class XII	26 Holiday (Republic Day)	27	28	29	30 Martyr's Day
31	* Subject to change as per Govt. Instructions					

GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL



ACADEMIC CALENDAR 2021-22

February 2022 (Working Days = 22)

February 2022 (Working Days = 22)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1	2	3 Commencement of Annual Exam. of class IX	4	5 Commencement of Annual Exam. of class XI Basant Panchmi	6
7	8	9	10	11	12 Holiday for students on account of 2 nd Saturday	13 World Radio Day
14 Culmination of Annual Exam. of class IX and XI	15	16 Holiday (Guru Ravidas Jayanti)	17	18	19	20 World Day of Social Justice
21 International Mother Language Day	22	23	24	25	26	27
28 Parent Teacher Meeting National Science Day	Notes:					

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ACADEMIC CALENDAR 2021-22

March 2022 (Working Days = 8)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1 Holiday (Maha Shivaratri)	2 Commencement of Annual Examination for Class I - VIII	3 World Wildlife Day	4	5	6
7	8	9	10	11	12 Holiday for students on account of 2 nd Saturday	13
14	15	16 Culmination of Annual Examination for Class I - VIII	17	18 Holiday (Holi)	19	20 International Day of Happiness
21 International Poetry Day/ International Day of Forest/ International Day for the Elimination of Racial Discrimination	22 World Water Day	23	24	25 Result Declaration	26	27
28	29	30	31	Notes:		



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of English

(Session: 2021-2022)

Yearly Goals: Develop 21 Century Skills, Develop Language Skills and Inculcate Core Values in learners.

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April ➤ Flamingo ➤ Chapter 1: The Last Lesson ➤ Poem 1: My Mother at Sixty - Six ➤ Vistas ➤ Chapter 1: The Third Level ➤ Composition ➤ Notice Writing ▪ Format ▪ Marking Scheme	Learner will be able to ▪ understand the genre – fiction ▪ express feelings and emotions towards their people and the country ▪ understand ‘Linguistic Chauvinism’ ▪ appreciate writer’s/ poet’s feelings and point of view ▪ understand about waking dream wish fulfillment ▪ learn about free verse and ‘monostitch’ ▪ write Notice in proper format (with understanding of marking scheme) ▪ able to develop reading skills ▪ able to think critically and gain confidence to ask and answer questions ▪ understand the use of poetic devices used	▪ Textbook ▪ Classroom accessories ▪ PPTs ▪ TED Talk Podcasts ▪ Sample Notice ▪ Padlet ▪ Google Forms	➤ Induction – Asking Open and closed ended questions ➤ Class Discussion ▪ Relationships ▪ Importance of Language ▪ Procrastination ▪ Time Travel ➤ Reading of the lesson ▪ Model reading by the teacher ▪ Reading aloud the poem/s by the teacher ▪ Shared reading by the students ➤ Peer interaction before engaging learners in writing tasks ➤ Vocabulary enrichment techniques ▪ Use of dictionary ▪ Pronunciation guidance	➤ Art Integration ▪ Write a pen portrait of your favorite teacher ▪ Write a poem describing your mother and post it on Padlet with their picture ➤ Core Skills ▪ Creativity ▪ Collaboration ▪ Communication ▪ Critical thinking	➤ Submissions ▪ Assignment ▪ Pen Portrait ▪ Padlet submission ➤ Assessment ▪ Comprehension quiz ▪ Pen paper test ▪ Google form



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
May • Flamingo ➤ Chapter 2: Lost Spring ➤ Chapter 3: Deep Water ➤ Poem 2: An elementary school classroom in a Slum • Composition ➤ Poser making	Learners will be able to <ul style="list-style-type: none"> ▪ understand the genre – fiction, autobiography, non-fiction ▪ express feelings and emotions through speech and writing ▪ understand the need of hard work and determination in their life ▪ learn the need to become socialist and eradicate the prevalent inequalities of the society ▪ able to strengthen their logical and critical thinking skills ▪ engage with new words and concepts related to topics (by using dictionary) ▪ appreciate writer's/ poet's feelings and point of view ▪ understand the use of poetic devices ▪ express feelings and emotions through speech and writing 	<ul style="list-style-type: none"> ▪ Textbook ▪ Classroom accessories ▪ PPTs ▪ Sample Posters ▪ TEDtalk video ▪ Padlet ▪ Flipgrid ▪ Google Forms 	<ul style="list-style-type: none"> ➤ Induction – Asking Open and closed ended questions ➤ Interactive Discussion: Social injustices ➤ Reading of the lesson <ul style="list-style-type: none"> ▪ Model reading by the teacher ▪ Reading aloud the poem/s by the teacher ▪ Shared reading by the students ▪ Peer interaction before engaging learners in writing tasks ➤ Vocabulary enrichment techniques <ul style="list-style-type: none"> ▪ Use of dictionary ▪ Pronunciation guidance 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draft a poster on 'Global Warming' ▪ Presenting a 'Talk' ➤ Core Skills <ul style="list-style-type: none"> ▪ Creativity ▪ Collaboration ▪ Communication ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Submissions <ul style="list-style-type: none"> ▪ Assignment ▪ Pen Portrait ▪ Padlet submission ➤ Assessment <ul style="list-style-type: none"> ▪ Comprehension quiz ▪ Pen paper test ▪ Google form



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	<ul style="list-style-type: none"> ▪ write design and draft posters in proper format (with understanding of marking scheme) ▪ able to develop reading skills 				
July <ul style="list-style-type: none"> ☛ Flamingo <ul style="list-style-type: none"> ➤ Chapter 4: The Rattrap ➤ Chapter 5: Indigo ➤ Poem 3: Keeping Quiet ☛ Vistas <ul style="list-style-type: none"> ➤ Chapter 4: The Enemy ☛ Composition <ul style="list-style-type: none"> ➤ Article Writing 	Learners will be able to <ul style="list-style-type: none"> ▪ understand the genre – biography, fiction ▪ appreciate the sacrifices made by our freedom fighters ▪ feel motivated to work for world peace. ▪ realize that selfishness can ruin our lives. ▪ inculcate the value of introspection, peace and sensitivity towards environment ▪ engage with new words and concepts related to topics (by using dictionary) ▪ appreciate writer's/ poet's feelings and point of view ▪ understand the use of poetic devices ▪ able to develop reading skills 	<ul style="list-style-type: none"> ▪ Textbook ▪ Classroom accessories ▪ PPTs ▪ Padlet ▪ TED talk podcast ▪ Flipgrid ▪ Google Forms 	<ul style="list-style-type: none"> ➤ Induction – Asking Open and closed ended questions ➤ Interactive Discussion: <ul style="list-style-type: none"> ▪ Introspection ▪ War ➤ Reading of the lesson – <ul style="list-style-type: none"> ▪ Model reading by the teacher ▪ Reading aloud the poem/s by the teacher ▪ Shared reading by the students ➤ Peer interaction before engaging learners in writing tasks ➤ Vocabulary enrichment techniques <ul style="list-style-type: none"> ▪ Use of dictionary ▪ Pronunciation 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Write a speech on 'Need for Introspection' and upload it on Flipgrid ▪ Complete the activity on NCERT Page 67 - 'Things to do' ➤ Core Skills <ul style="list-style-type: none"> ▪ Creativity ▪ Collaboration ▪ Communication ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Submissions <ul style="list-style-type: none"> ▪ Assignment ▪ Flipgrid submission ▪ Padlet submission ➤ Assessment <ul style="list-style-type: none"> ▪ Comprehension quiz ▪ Pen paper test ▪ Google form



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	<ul style="list-style-type: none"> ▪ able to think critically and gain confidence to ask and answer questions ▪ write article and speech in proper format (with understanding of marking scheme) 		guidance		
August <ul style="list-style-type: none"> ☛ Flamingo <ul style="list-style-type: none"> ➤ Chapter 5: Indigo ➤ Poem 4: A thing of beauty ☛ Vistas <ul style="list-style-type: none"> ➤ Chapter 5: Should Wizard hit Mommy? ☛ Composition <ul style="list-style-type: none"> ➤ Letter Writing (Editor) ➤ Advertisement 	Learners will be able to <ul style="list-style-type: none"> ▪ understand the genre – autobiography, drama ▪ feel motivated to fight loneliness, depression and disappointments ▪ build up optimism and self confidence ▪ understand nationalism and communism ▪ understand humor and parody used in the story ▪ appreciate the beauty of natural things ▪ engage with new words and concepts related to topics (by using dictionary) ▪ appreciate writer's/ poet's feelings and point of view ▪ understand the use of poetic 	<ul style="list-style-type: none"> ▪ Textbook ▪ Classroom accessories ▪ PPTs ▪ Sample Formal letters ▪ Sample advertisements ▪ Padlet ▪ Google Forms 	<ul style="list-style-type: none"> ➤ Induction – Asking Open and closed ended questions ➤ Interactive Discussion <ul style="list-style-type: none"> ▪ Communism ▪ Generation gap ➤ Reading of the lesson <ul style="list-style-type: none"> ▪ Model reading by the teacher ▪ Reading aloud the poem/s by the teacher ▪ Shared reading by the students ➤ Peer interaction before engaging learners in writing tasks ➤ Vocabulary enrichment techniques <ul style="list-style-type: none"> ▪ Use of dictionary 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Write an advertisement to be published on Padlet Wall ▪ Quotations and Slogan writing ➤ Core Skills <ul style="list-style-type: none"> ▪ Creativity ▪ Collaboration ▪ Communication ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Submissions <ul style="list-style-type: none"> ▪ Assignment ▪ Advertisements ▪ Quotations and Slogan ▪ Padlet submission ➤ Assessment <ul style="list-style-type: none"> ▪ Comprehension quiz ▪ Pen paper test ▪ Google form



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	devices <ul style="list-style-type: none"> ▪ able to develop reading skills ▪ able to think critically and gain confidence to ask and answer questions ▪ write letter and Advertisements in proper format (with understanding of marking scheme) 		<ul style="list-style-type: none"> ▪ Pronunciation guidance 		
September Revision for Half yearly examination Discussion of blueprint and marking scheme of question paper	Learners will <ul style="list-style-type: none"> ▪ understand the pattern of the question paper and marking scheme ▪ gain confidence through practice improve speed and accuracy 				
October <ul style="list-style-type: none"> ☛ Flamingo <ul style="list-style-type: none"> ➢ Chapter 7: The Interview ☛ Vistas <ul style="list-style-type: none"> ➢ Chapter 7: Evans tries an O level ☛ Composition <ul style="list-style-type: none"> ➢ Report Writing 	Learners will be able to <ul style="list-style-type: none"> ▪ understand the genre – fiction, non-fiction, thriller ▪ differentiate between scholarly and non-fictional writings ▪ learn about writer’s views about writing ▪ witness the dereliction of duty of the law keepers 	<ul style="list-style-type: none"> ▪ Textbook ▪ Classroom accessories ▪ PPTs ▪ TEDtalk podcasts ▪ Padlet ▪ Sample resume ▪ Google Forms 	<ul style="list-style-type: none"> ➢ Induction – Asking Open and closed ended questions ➢ Interactive Discussion: Social injustices ➢ Reading of the lesson– <ul style="list-style-type: none"> ▪ Model reading by the teacher ▪ Reading aloud the poem/s by the 	<ul style="list-style-type: none"> ➢ Art Integration <ul style="list-style-type: none"> ▪ Interview a friend/family member and write a conversation on Padlet ▪ Backchannel ➢ Core Skills <ul style="list-style-type: none"> ▪ Creativity ▪ Collaboration 	<ul style="list-style-type: none"> ➢ Submissions <ul style="list-style-type: none"> ▪ Assignment ▪ Interview submission ▪ Padlet submission ➢ Assessment <ul style="list-style-type: none"> ▪ Comprehension quiz ▪ Pen paper test



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of English

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ➤ Letter Writing (Job Application) 	<ul style="list-style-type: none"> ▪ engage with new words and concepts related to topics (by using dictionary) ▪ appreciate writer's/ poet's feelings and point of view ▪ understand the use of poetic devices ▪ able to develop reading skills ▪ able to think critically and gain confidence to ask and answer questions ▪ write Report and letter in proper format (with understanding of marking scheme) 		<ul style="list-style-type: none"> teacher <ul style="list-style-type: none"> ▪ Shared reading by the students ➤ Peer interaction before engaging learners in writing tasks ➤ Vocabulary enrichment techniques <ul style="list-style-type: none"> ▪ Use of dictionary ▪ Pronunciation guidance 	<ul style="list-style-type: none"> ▪ Communication ▪ Critical thinking 	<ul style="list-style-type: none"> ▪ Google form
November <ul style="list-style-type: none"> ☛ Flamingo <ul style="list-style-type: none"> ➤ Poem 6: Aunt Jennifer's Tigers ☛ Vistas <ul style="list-style-type: none"> ➤ Chapter 6: On the Face of it ☛ Composition <ul style="list-style-type: none"> ➤ Invitations and Replies 	Learners will be able to <ul style="list-style-type: none"> ▪ understand the genre – fiction, autobiography ▪ reflect upon the concept day dreaming among teenagers ▪ learn about writers' views about writing ▪ appreciate the poet's idea and criticism faced by women ▪ understand the problems related to casteism and racial discrimination 	<ul style="list-style-type: none"> ▪ Textbook ▪ Classroom accessories ▪ PPTs ▪ Sample invitations ▪ Padlet ▪ Google Forms 	<ul style="list-style-type: none"> ➤ Induction – Asking Open and closed ended questions ➤ Interactive Discussion: Inequality, Inferiority Complex ➤ Reading of the lesson <ul style="list-style-type: none"> ▪ Model reading by the teacher ▪ Reading aloud the poem/s by the teacher 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Write an invitation to your friends and invite them on Padlet Timeline. ▪ Slogan Writing ➤ Core Skills <ul style="list-style-type: none"> ▪ Creativity ▪ Collaboration ▪ Communication ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Submissions <ul style="list-style-type: none"> ▪ Assignment ▪ Invitations ▪ Slogan ▪ Padlet submission ➤ Assessment <ul style="list-style-type: none"> ▪ Comprehension quiz ▪ Pen paper test ▪ Google form



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of English

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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	<ul style="list-style-type: none"> ▪ engage with new words and concepts related to topics (by using dictionary) ▪ appreciate writer's/ poet's feelings and point of view ▪ understand the use of poetic devices ▪ able to develop reading skills ▪ able to think critically and gain confidence to ask and answer questions ▪ write invitations and invitation replies in proper format (with understanding of marking scheme) 		<ul style="list-style-type: none"> ▪ Shared reading by the students ➤ Peer interaction before engaging learners in writing tasks ➤ Vocabulary enrichment techniques <ul style="list-style-type: none"> ▪ Use of dictionary ▪ Pronunciation guidance 		
Revision for Pre-Board examination Discussion of blueprint and marking scheme of question paper	Learners will <ul style="list-style-type: none"> ▪ understand the pattern of the question paper and marking scheme ▪ gain confidence through practice ▪ improve speed and accuracy 				
December	Pre Board Examination				
January	Revision for Board Examination				

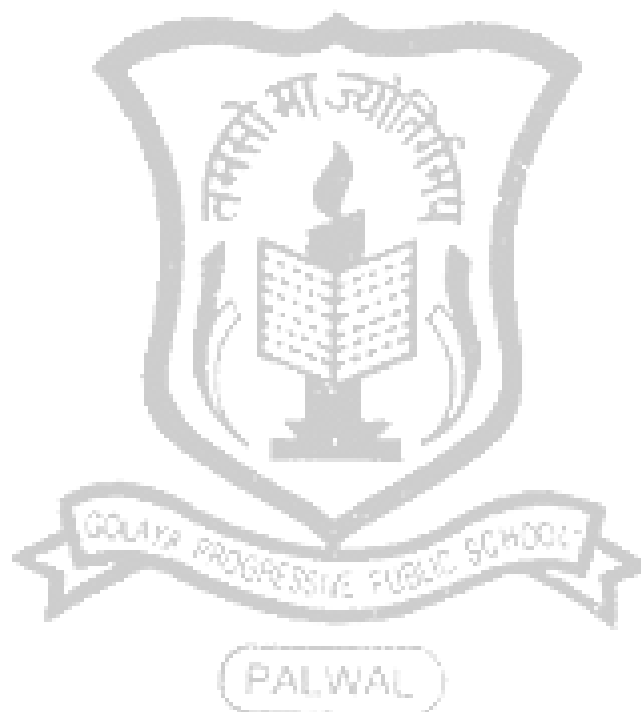


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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
February / March	Board Examination				





GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Curriculum Plan of Accountancy

(Session: 2021-2022)

Yearly Goals: To familiarize students with new and emerging areas in the preparation and presentation of financial statements.
To acquaint students with basic accounting concepts and accounting standards.

Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April ➤ Chapter: Accounting for Not- for- Profit Organization: <ul style="list-style-type: none"> ▪ Not for profit organization: concept ▪ Receipt and payment account: features ▪ Income and expenditure account: features, preparation of income and expenditure account and balance sheet from the given receipt and payment account with additional information. 	The learner will be able to: <ul style="list-style-type: none"> ▪ identify the need for, and nature of accounting records relating to not-for-profit organizations; ▪ prepare Income and Expenditure Account and Balance Sheet from a given Receipt and Payment Account; 	<ul style="list-style-type: none"> ▪ Accounting for NPOs and Partnership Firms Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ observe the financial statements of not-for-profit organizations. ▪ Solve Numerical. 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
➤ Chapter: Accounting for Partnership-Basic Concepts: <ul style="list-style-type: none"> ▪ Partnership: features, partnership deed ▪ Provision of Indian partnership act 1932 	The learner will be able to <ul style="list-style-type: none"> ▪ define partnership and list its essential features; ▪ identify the provisions of the indian partnership act 1932 that are relevant for accounting; 	<ul style="list-style-type: none"> ▪ Accounting for NPOs and Partnership Firms Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ apply accounting concepts, accounting standards and 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test /



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL
Curriculum Plan of Accountancy
 (Session: 2021-2022)

Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<p>in the absence of partnership deed</p> <ul style="list-style-type: none"> ▪ Fixed v/s fluctuating capital account ▪ Preparation of profit and loss appropriation account- division of profit among partners, guarantee of profits. ▪ Past adjustments. ▪ Goodwill: nature, factors affecting goodwill, Methods of valuation-average profit, super profit and capitalization ▪ Change in profit sharing ratio among the existing partners- sacrificing ratio, gaining ratio, accounting for revaluation of assets and liabilities and treatments of reserves and accumulated profits. ▪ Preparation of 	<ul style="list-style-type: none"> ▪ prepare partners' capital accounts under fixed and fluctuating capital methods; ▪ explain the distribution profit or loss among the partners and prepare the profit and loss appropriation account; ▪ calculate interest on capital and drawing under various situations; ▪ explain how guarantee for a minimum amount of profit affects the distribution of profits among the partners; ▪ make necessary past adjustment. ▪ explain the concept of reconstitution of a partnership firm; ▪ determine the new profit sharing ratio and calculate the sacrificing ratio; ▪ describe how goodwill will be treated under different situations when a 		<p>accounting procedures in maintaining business records of Partnership form of business.</p>		<p style="text-align: center;">Written Test</p>



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Curriculum Plan of Accountancy
 (Session: 2021-2022)

Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
revaluation account and balance sheet. May-June ➤ Chapter: Admission of a Partner <ul style="list-style-type: none"> ▪ Admission of a partner- effect of admission of a partner on change in profit sharing ratio ▪ Treatment of goodwill (as per AS 26) ▪ Treatment for revaluation of assets and liabilities ▪ Treatment of reserves and accumulated profits ▪ Adjustment of capital account and preparation of balance sheet. 	new partner is admitted; <ul style="list-style-type: none"> ▪ make necessary adjustments for revaluation of assets and reassessment of liabilities; ▪ make necessary adjustments for accumulated profits and losses; ▪ determine the capital of each partner, if required according to the new profit sharing ratio and make necessary adjustment ▪ make necessary adjustments on change in the profit sharing ratio among the existing partners. 				
May	Periodic Test - 1				



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
May-June ➤ Chapter: Retirement of Partner <ul style="list-style-type: none"> ▪ Retirement and death of a partner: effect of retirement and death of a partner on change in profit sharing ratio ▪ Treatment of goodwill ▪ Treatment for revaluation of assets and liabilities ▪ Adjustment of accumulated profit and reserves ▪ Adjustment of capital accounts and preparation of balance sheet. Preparation of loan account of retiring partner ▪ Calculation of deceased partner's share of profit till the date of death ▪ Preparation of deceased partner's 	The learner will be able to <ul style="list-style-type: none"> ▪ calculate new profit sharing ratio and gaining ratio of the remaining partners after the retirement/death of a partner; ▪ describe the accounting treatment of goodwill in the event of retirement/ death of a partner; ▪ ascertain the retiring/deceased partner claim against the firm and explain the mode of its settlement; ▪ prepare the retiring partner's loan account, if required; and ▪ prepare the deceased partner's executor's account in the case of death of a partner and the balance sheet of a reconstituted firm. 	<ul style="list-style-type: none"> ▪ Accounting for NPOs and Partnership Firms Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ apply accounting concepts, accounting standards and accounting procedures in maintaining business records of Partnership form of business. 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Interpersonal relationship 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
capital account and his executor account.					
July ➤ Chapter: Dissolution of Partnership Firm <ul style="list-style-type: none"> ▪ Dissolution of a partnership firm: Meaning of dissolution of partnership and partnership firm ▪ Preparation of realization account, capital account of a partner and cash/bank account 	The learner will be able to: <ul style="list-style-type: none"> ▪ state the meaning of dissolution of partnership firm; ▪ differentiate between dissolution of partnership and dissolution of a partnership firm; ▪ describe the various modes of dissolution of the partnership firm; Explain the rules relating to the settlement of claims among all partners; ▪ prepare Realization Account, Partners' Capital Account and Cash/Bank A/c. 	<ul style="list-style-type: none"> ▪ Accounting for NPOs and Partnership Firms Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ apply accounting concepts, accounting standards and accounting procedures in maintaining business records of Partnership form of business 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Interpersonal relationship 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
July ➤ Chapter: Accounting for Share Capital <ul style="list-style-type: none"> ▪ Share and share capital: nature and types 	The learner will be able to: <ul style="list-style-type: none"> ▪ explain the basic nature of a joint stock company as a form of business organization and the various kinds of 	<ul style="list-style-type: none"> ▪ Company Accounts and Financial Statement ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ draw chart in tabular form to show types of shares and 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Interpersonal 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ▪ Accounting for share capital: issue and allotment of equity and preferences shares- over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears , issue of shares for consideration other than cash 	<p>companies based on liability of their members;</p> <ul style="list-style-type: none"> ▪ explain the accounting treatment of shares issued at par, at premium including oversubscription; ▪ outline the accounting for forfeiture of shares and reissue of forfeited shares under varying situations. 		<p>debentures and methods of redemption of debentures</p>	<p>relationship</p>	<ul style="list-style-type: none"> ▪ Oral Test / Written Test
<p>September</p> <p>➤ Chapter: Financial Statements of a Company</p> <ul style="list-style-type: none"> ▪ Statement of profit and loss balance sheet in prescribed form with major heading and sub heading (As per schedule III to the companies act 2013) 	Half Yearly Examination				
	<ul style="list-style-type: none"> ▪ explain the nature and objectives of financial statements of a company; ▪ describe the form and content of Statement of Profit and Loss of a company as per schedule III; ▪ describe the form and content of balance sheet of a company as per schedule III. 	<ul style="list-style-type: none"> ▪ Company Accounts and Financial Statement ▪ White Board 	<p>➤ The learners will be provided with opportunities to</p> <ul style="list-style-type: none"> ▪ draws chart showing format of financial statements of a company 	<p>➤ Skills</p> <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical thinking 	<p>➤ Submission</p> <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment <p>➤ Assessment</p> <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
September ➤ Chapter: Analysis of Financial Statements <ul style="list-style-type: none"> ▪ Financial statement analysis: objectives, importance and limitations ▪ Tools for financial statement analysis: ▪ Comparative statements, common size statements, cash flow analysis, ratio analysis 	<ul style="list-style-type: none"> ▪ explain the nature and significance of financial analysis; ▪ identify the objectives of financial analysis; ▪ describe the various tools of financial analysis; ▪ state the limitations of financial analysis; ▪ prepare comparative and common size statements and interpret the data given therein; and ▪ calculate the trend percentages and interpret them. 	<ul style="list-style-type: none"> ▪ Company Accounts and Financial Statement ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ analyses the financial statements of a company in terms of its solvency, liquidity, profitability and growth. 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
October ➤ Chapter: Cash Flow Statements <ul style="list-style-type: none"> ▪ Meaning, objective and preparation of Cash Flow Statement (as per accounting standard 3, revised. indirect method only) 	<ul style="list-style-type: none"> ▪ state the purpose and preparation of statement of cash flow statement; ▪ distinguish between operating activities, investing activities and financing activities; ▪ prepare the cash flow statement using indirect method. 	<ul style="list-style-type: none"> ▪ Company Accounts and Financial Statement ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ demonstrate skills of presentation and disclosures of all the three activities 	➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ Practical questions of Book ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
November	Revision				
December	Pre-Board Examination				



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL
Pedagogical Plan of Economics
(Session: 2021-2022)

Syllabus for Periodic Test - 1

- Macroeconomics (Chapters: 7, 8, 9)

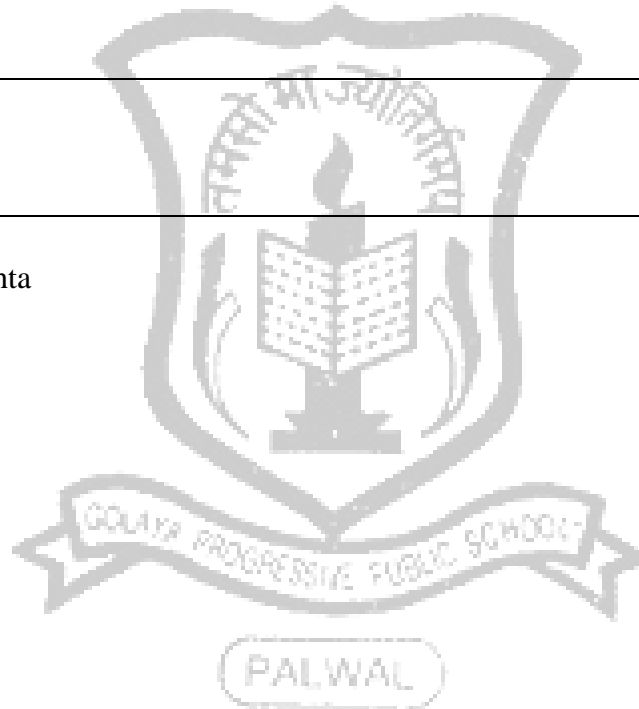
Syllabus for Half Yearly Examination

- Macroeconomics (Chapters: 1 to 6, 10, 11, 12)
- Indian Economics (Chapters: 1, 2)

Syllabus for Pre-Board Examination

- Full Syllabus

Economics Curriculum Document prepared by Ms. Cheshta





GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL
Curriculum Plan of Business Studies
 (Session: 2021-2022)

Yearly Goals: To formulate overall organizational goals and strategies. To integrate diverse elements and coordinate the activities of different departments. To be responsible for welfare and survival of the organization.

Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April ➤ Chapter: Nature and Significance of Management <ul style="list-style-type: none"> ▪ Management-concept, objectives and importance. ▪ Management as Science, Art and Profession. ▪ Levels of Management ▪ Management functions- planning, organizing, staffing, directing and controlling. ▪ Coordination- concept and importance. 	The learner will be able to: <ul style="list-style-type: none"> ▪ describe the characteristics of management and its importance in an organization; ▪ explain the nature of management as an art, science and profession; ▪ explain the functions of management; and ▪ appreciate the nature and importance of coordination. 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the management functions 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills: <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
➤ Chapter: Principles of Management <ul style="list-style-type: none"> ▪ Principles of Management- concept and significance ▪ Fayol's principles of management 	The learner will be able to: <ul style="list-style-type: none"> ▪ state the meaning, nature and significance of principles of management; ▪ explain Taylor's principles and techniques of management 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills: <ul style="list-style-type: none"> ▪ Problem solving ▪ Logical 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
Taylor's Scientific management- principles and techniques.			management principles	thinking	
May-June ➤ Chapter: Business Environment <ul style="list-style-type: none"> ▪ Business environment –concept and importance ▪ Dimensions of business environment –Economic, Social and technological, political and legal ▪ Demonetization- concept and features ▪ Impact of Government policy changes on business with special reference to liberalization, privatization and globalization in India. 	The learner will be able to: <ul style="list-style-type: none"> ▪ explain the meaning of business environment; ▪ discuss the importance of business environment; ▪ describe the various elements of business environment; and ▪ examine the economic environment in India and the impact of Government policies on business and industry 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the dimensions of business environment 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in application of principles of management ➤ Skills: <ul style="list-style-type: none"> ▪ Critical thinking ▪ Logical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
May	Periodic Test - 1				



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
May-June ➤ Chapter- Planning <ul style="list-style-type: none"> ▪ Planning-concept, importance and limitations ▪ Planning process ▪ Single use and standing plans, objective, strategy, policy, procedure, methods, rule, budget and programme. 	The learner will be able to <ul style="list-style-type: none"> ▪ state the meaning of planning; ▪ describe the features and importance of planning; ▪ explain the limitations of planning; ▪ analyze the steps in the planning process; and ▪ identify the different types of plans. 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the planning as a function of management and various types plans and their usage 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Interpersonal relationship 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
➤ Chapter: Organizing <ul style="list-style-type: none"> ▪ Organizing-concept and importance ▪ Organizing process ▪ Structure of organization- Functional and divisional concept, Formal and informal organization ▪ Delegation: concept, elements and importance ▪ Decentralization: concept and elements 	The learner will be able to: <ul style="list-style-type: none"> ▪ explain the concept of organizing; ▪ explain the process of organizing; ▪ describe the importance of organizing; ▪ explain the meaning, advantages and disadvantages of functional organization ▪ explain the meaning, advantages and disadvantages of divisional organization; ▪ explain the meaning, 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ find fun in making organizational structure ▪ examine the delegation and decentralization 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Interpersonal relationship 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	advantages and disadvantages of formal and informal organization; <ul style="list-style-type: none"> ▪ distinguish between formal and informal organization; ▪ explain the concept of delegation and decentralization; ▪ describe the importance of delegation and decentralization; and ▪ distinguish between delegation and decentralization. 				
July ➤ Chapter: Staffing <ul style="list-style-type: none"> ▪ Concept and importance of staffing ▪ Staffing as a part of Human resource management concept ▪ Staffing process ▪ Recruitment process ▪ Selection-process ▪ Training and development-concept 	The learner will be able to <ul style="list-style-type: none"> ▪ explain the concept of staffing; ▪ explain the process of staffing; ▪ describe the importance of staffing; ▪ explain the meaning and source of recruitment; ▪ explain the advantages and disadvantages of internal and external source of recruitment; ▪ describe the steps 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ explore the surroundings to know the process of staffing 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Interpersonal relationship 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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and importance, methods of training- on the job and off the job-vestibule training, apprenticeship training and internship training	<ul style="list-style-type: none"> involved in selection; ▪ discuss the meaning and various types of training; ▪ differentiate between training and development; ▪ discuss on the job and off the job methods of training. 				
July ➤ Chapter: Directing <ul style="list-style-type: none"> ▪ Directing-concept and importance ▪ Elements of directing ▪ Motivation-Concept, Maslow's hierarchy of needs, financial and non- financial incentives ▪ Leadership concepts- style, authoritative, democratic and laissez faire ▪ Communication- concept, formal and informal communications; barriers to effective communication, how 	The learner will be able to <ul style="list-style-type: none"> ▪ explain the concept of directing and its importance in business organizations; ▪ understand the principles guiding directing process; ▪ explain the meaning of supervision and its importance; ▪ explain the meaning of motivation and its importance in business management; ▪ understand and explain Maslow's theory of hierarchy of needs and its application to motivation of employees in an organization 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the process of directing ▪ observe, compare and select best incentive of motivation 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Communication ▪ Collaboration ▪ Creativity 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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to overcome the barriers	<ul style="list-style-type: none"> ▪ explain the financial and nonfinancial incentives through which managers motivate their employees; ▪ explain the concept of leadership and its importance in management; ▪ describe the qualities of a good leader; ▪ explain about formal and informal communications in the organizations; and ▪ identify various barriers to effective communications and measures to overcome these barriers in the organization. 				
August ➤ Chapter: Controlling <ul style="list-style-type: none"> ▪ Controlling- concept and importance ▪ Relationship between planning and controlling ▪ Steps in process of control 	The learner will be able to <ul style="list-style-type: none"> ▪ explain the meaning of controlling; ▪ state the importance of controlling; ▪ describe the relationship between planning and controlling; ▪ explain the steps in the process of controlling; and 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe and explore the techniques of controlling 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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	<ul style="list-style-type: none"> ▪ describe the techniques of controlling. 			thinking	
September ➤ Chapter: Financial management <ul style="list-style-type: none"> ▪ Concept, role and objective of financial management ▪ Financial decision-investment, financing and dividend-Meaning and factors affecting ▪ Financial planning – concepts and importance ▪ Capital structure-concept and factors affecting capital structure ▪ Fixed and working capital-concepts and factors affecting their requirements. 	The learner will be able to <ul style="list-style-type: none"> ▪ explain the meaning of business finance; ▪ describe financial management; ▪ explain the role of financial management in our enterprise; ▪ discuss objectives of financial management and how they could be achieved; ▪ explain the meaning and importance of financial planning; ▪ state the meaning of capital structure; 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe and explore the techniques of financial management 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
September ➤ Chapter: Financial	The learner will be able to <ul style="list-style-type: none"> ▪ explain the meaning of 	<ul style="list-style-type: none"> ▪ Principles and Functions of 	➤ The learners will be provided with	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT



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market <ul style="list-style-type: none"> ▪ Financial markets: concepts, functions and types ▪ Financial markets: concepts, functions and types ▪ Money market and its instruments ▪ Capital markets and its types (primary and secondary market), methods of floatation in primary market. ▪ Stock exchange- Functions and trading procedure ▪ SEBI- objective and Functions 	financial market; <ul style="list-style-type: none"> ▪ explain the meaning of money market and describe its major instruments; ▪ explain the nature and types of capital market; ▪ distinguish between money market and capital market; ▪ explain the meaning and functions of stock exchange; ▪ describe the functioning of nsei and otcei; and ▪ describe the role of sebi in investor protection. 	Management Book <ul style="list-style-type: none"> ▪ White Board 	opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the conditions of financial market 	Management <ul style="list-style-type: none"> ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking ▪ Logical thinking 	exercises <ul style="list-style-type: none"> ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test
October <ul style="list-style-type: none"> ➤ Chapter: Marketing management <ul style="list-style-type: none"> ▪ Marketing concepts, functions and philosophy ▪ Marketing mix- Concepts and 	The learner will be able to <ul style="list-style-type: none"> ▪ explain the meaning of 'marketing'; ▪ list important functions of marketing; ▪ examine the role of marketing in the ▪ explain the elements of 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe and explore the techniques of 	➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



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Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
elements <ul style="list-style-type: none"> ▪ Product-branding, labeling, and packaging concept ▪ Price concept and factor determining price ▪ Physical distribution-concept, components and channel of distribution ▪ Promotion- Concept and elements; Advertising, personal selling, sales promotion and public relation 	marketing-mix; <ul style="list-style-type: none"> ▪ classify products into different categories; ▪ analyze the factors affecting price of a product; ▪ list out the types of channels of distribution; and ▪ explain the major tools of promotion, viz. advertising, personal selling, sales promotion and publicity. 		marketing management	<ul style="list-style-type: none"> ▪ Logical thinking 	
October <ul style="list-style-type: none"> ➤ Chapter: Consumer protection <ul style="list-style-type: none"> ▪ Concept and importance of consumer protection ▪ Consumer protection act 1986: meaning of 	The learner will be able to <ul style="list-style-type: none"> ▪ state the importance of consumer protection; ▪ explain legal framework for consumer protection in india; ▪ describe consumer rights in india; 	<ul style="list-style-type: none"> ▪ Principles and Functions of Management Book ▪ White Board 	<ul style="list-style-type: none"> ➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the concepts by strategic questioning ▪ observe the need of consumer protection 	<ul style="list-style-type: none"> ➤ Art integration <ul style="list-style-type: none"> ▪ Creativity in Management ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ NCERT exercises ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral Test / Written Test



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL
Curriculum Plan of Business Studies
 (Session: 2021-2022)

Month Topic/Sub-topic	Learning Objectives	Material	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
consumer, rights and responsibilities of consumer, who can file a complaint? <ul style="list-style-type: none"> ▪ Redressal machinery and remedies available ▪ Consumer Awareness-Role of consumer organization and non-government organization 	<ul style="list-style-type: none"> ▪ list out consumer responsibilities; ▪ briefly describe the ways and means of consumer protection; and ▪ describe the role of consumer organizations and NGOs in protecting consumers' interests. 		and their rights and responsibilities	<ul style="list-style-type: none"> ▪ Logical thinking 	
November	Revision				
December	Pre-Board Examination				



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Economics

(Session: 2021-2022)

Yearly Goals: Students will understand concepts, processes, terms, fact of the economy and apply the knowledge to take informed decisions

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April Book 1: Macroeconomics Unit3: Determination of income and employment Chapter 7: Aggregate demand and its components. <ul style="list-style-type: none"> ▪ Propensity to consume and propensity to save (average and marginal) 	The learner will be able to <ul style="list-style-type: none"> ▪ Understand the concepts of Propensity to consume and propensity to save (average and marginal). ▪ Learn the types of Propensity to consume and propensity to save ▪ Draw the curves of consumption and savings 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ Video on determination of income and employment ▪ PPT on determination of income and employment 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of curves ▪ Solve numerical ▪ Perform class activity ➤ Activity <ul style="list-style-type: none"> ▪ Students will make presentation on determination of income and employment using AD/AS curves 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw curves on AD/AS approach, Saving and consumption ➤ Skills <ul style="list-style-type: none"> ▪ Commercial awareness ▪ Presentation skill ▪ Logical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Activity ▪ Oral test/Written test ▪ Google Forms



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Pedagogical Plan of Economics

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ➤ Chapter8: Short-run equilibrium output <ul style="list-style-type: none"> ▪ Investment multiplier and its mechanism. ▪ Meaning of full employment and involuntary unemployment. 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ Recognize the process of credit creation by commercial bank ▪ Judge the functioning of monetary and fiscal policy of government ▪ Solve numerical of multiplier ▪ Apply the mechanism of money multiplier 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ Video on Investment Multiplier ▪ PPT on short run equilibrium output 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ▪ Perform class activity ➤ Activity <ul style="list-style-type: none"> ▪ Students will use the given inputs and examine the process of credit creation 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw tables to recognize the process of credit creation by banks ▪ Activity on determination of credit creation process ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Critical thinking ▪ Decision making 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Activity ▪ Oral test/Written test ▪ Google Forms
<ul style="list-style-type: none"> ➤ Chapter 9: Problems of excess demand and deficient demand. <ul style="list-style-type: none"> ▪ Measures to correct them - changes in government spending, 	<p>The learner will be able to-</p> <ul style="list-style-type: none"> ▪ Examine the changes in government spending, taxes 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ PPT on problem of excess 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw curves on measurement of Inflationary gap and deflationary gap 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test/Written test



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Economics

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
taxes and money supply	and money supply.	demand and deficient demand	class <ul style="list-style-type: none"> ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ➤ Activity Students will classify different measures as part of inflationary or deflationary gap	➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Decision making ▪ Creative thinking 	<ul style="list-style-type: none"> ▪ Activity ▪ Google Forms
May / June • Unit 2: Money and Banking ➤ Chapter 5: Money <ul style="list-style-type: none"> ▪ Meaning and supply of money ▪ Currency held by the public and net demand deposits held by commercial banks. 	The learner will be able to- <ul style="list-style-type: none"> ▪ Understand the meaning of money supply ▪ Learn the components of money supply 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ Video on Money and Banking ▪ PPT on Money 	➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves 	➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flowchart on components of money supply ▪ Functions of central bank ▪ Qualitative and quantitative ▪ Instruments to control money supply. ➤ Skills	➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test ▪ Activity ▪ Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			<ul style="list-style-type: none"> ▪ Solve numerical ➤ Activity <ul style="list-style-type: none"> ▪ Students will relate role of money to solve difficulties of barter 	<ul style="list-style-type: none"> ▪ Inquisitiveness ▪ Research skill ▪ Logical thinking 	
<ul style="list-style-type: none"> ➤ Chapter 6: Banking <ul style="list-style-type: none"> ▪ Money creation by the commercial banking system. ▪ Functions of central bank. 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ Differentiate between commercial bank and central bank ▪ Classify the functions of central bank ▪ Recognize the quantitative and qualitative instruments to control money supply 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ PPT on Banking 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical <ul style="list-style-type: none"> ➤ Activity <ul style="list-style-type: none"> ▪ Classroom will be converted as one huge banking system to understand process of credit 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flow chart on functions of central bank ▪ Qualitative and quantitative ▪ Instruments to control money supply. ▪ Activity on process of credit creation by bank ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Decision making ▪ Creative thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test ▪ Activity ▪ Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			creation by banks		
<ul style="list-style-type: none"> ☛ Unit 4: Government Budget and the Economy <ul style="list-style-type: none"> ➤ Chapter 10: Government Budget and the Economy <ul style="list-style-type: none"> ▪ Government budget - meaning, objectives and components. ▪ Classification of receipts and classification of expenditure ▪ Measures of government deficit 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ Classify revenue and capital receipts ▪ Classify revenue and capital expenditure ▪ Understand the meaning of budgetary deficit ▪ Assess the measures taken by government to reduce deficit ▪ Learn government budget objectives 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ Video on Government Budget and Economy ▪ PPT on Government Budget and Economy 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ➤ Activity <ul style="list-style-type: none"> ▪ Students will classify items as budget receipts and budget expenditures 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flow chart on Components of Budget ➤ Skills <ul style="list-style-type: none"> ▪ Inquisitiveness ▪ Critical thinking ▪ Logical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test/Written test ▪ Activity ▪ Google Forms



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Pedagogical Plan of Economics
 (Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
July Unit 5: Balance of Payments. Chapter 11: Foreign exchange rate <ul style="list-style-type: none"> ➤ Meaning of fixed and flexible rates and managed floating. ▪ Determination of exchange rate in a free market. 	The learner will be able to <ul style="list-style-type: none"> ▪ Understand the meaning of foreign exchange market ▪ Differentiate between fixed and flexible exchange rate of currency ▪ Identify the price of currency in foreign exchange market ▪ Determine the price of foreign currency in terms of domestic currency 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ PPT on Foreign Exchange Rate 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ➤ Activity <ul style="list-style-type: none"> ▪ Based on the situation given students will examine whether currency is appreciating or depreciating and will study its impact on exports and imports of the country 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flow chart on types of foreign exchange rate ▪ Draw curves on Determination of exchange rate in a free market. ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Critical thinking ▪ Collaboration 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test ▪ Activity ▪ Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ➤ Chapter12: Balance of Payments <ul style="list-style-type: none"> ▪ Balance of payments account - meaning and components ▪ Equilibrium and Disequilibrium-m in BOP 	<p>Learner will be able to</p> <ul style="list-style-type: none"> ▪ Differentiate between BOP & BOT ▪ Determine different components of BOP ▪ Determine equilibrium and disequilibrium in BOP 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ Video on balance of payments ▪ PPT on Balance of Payments 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ▪ Perform class activity ➤ Activity <ul style="list-style-type: none"> ▪ Students will analyze and present the data of different countries. 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Flow chart on Components of BOP ▪ Activity on presenting and analyzing data of different countries ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Decision making ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Activity ▪ Oral test / Written test ▪ Google Forms
<ul style="list-style-type: none"> ➤ Unit 1: National Income and Related Aggregates <ul style="list-style-type: none"> ➤ Chapter 1: Introduction to macroeconomics 	<p>Learner will be able to</p> <ul style="list-style-type: none"> ▪ Explain the basic concepts of macro-economics 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ PPT on types of goods 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Flow chart on types of goods ➤ Skills <ul style="list-style-type: none"> ▪ Team work ▪ Interpersonal skill 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise • Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	<ul style="list-style-type: none"> ▪ Differentiate between consumption goods, capital goods, final goods, intermediate goods 		class <ul style="list-style-type: none"> ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ➤ Activity <ul style="list-style-type: none"> ▪ Students will be divided into groups and will classify goods as consumer and capital goods 	<ul style="list-style-type: none"> ▪ Critical thinking 	<ul style="list-style-type: none"> ▪ Activity ▪ Google Forms
<ul style="list-style-type: none"> ➤ Chapter 2: Basic concepts in macroeconomics <ul style="list-style-type: none"> ▪ Classification of goods ▪ Stocks and Flows ▪ Circular Flow of Income 	Learner will be able to <ul style="list-style-type: none"> ▪ Understand concept of stocks and flows ▪ Meaning of gross investment and depreciation ▪ Understand the circular flow of income 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ PPT on basic concepts of Macroeconomics 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Flow chart on types of goods ▪ Draw Circular flow of income (two sector model) ➤ Skills <ul style="list-style-type: none"> ▪ Team work ▪ Interpersonal skill ▪ Creative thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise • Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test ▪ Activity ▪ Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			<ul style="list-style-type: none"> ➤ Activity <ul style="list-style-type: none"> ▪ Students will be divided into groups and will classify variables as stocks and flows 		
<ul style="list-style-type: none"> ➤ Chapter3: National Income and Related Aggregates <ul style="list-style-type: none"> ▪ Domestic and National Income ▪ Gross and Net Concepts of Domestic Product ▪ Domestic Product at Market Price and at Factor Cost ▪ Nominal and Real GDP ▪ GDP and Welfare 	<p>Learner will be able to</p> <ul style="list-style-type: none"> ▪ Understand the following terms-GDPmp, NDPmp, GDPfc, NDPfc, NNPmp, NNPfc, GNPmp, GNPfc ▪ Differentiate real and nominal income ▪ Examine the concept of GDP and welfare in the economy. 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ Videoon Aggregates of National Income ▪ PPT on National and Domestic Income 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Perform class activity ➤ Activity <ul style="list-style-type: none"> ▪ Students will be divided into groups. Teacher will provide list of components 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flow chart on Aggregates related to National Income ➤ Skills <ul style="list-style-type: none"> ▪ Data Analysis ▪ Critical thinking ▪ Teamwork 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Activity ▪ Oral test / Written test ▪ Google Forms



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Pedagogical Plan of Economics
 (Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			<p>regarding factor incomes and expenditure and students will tell the aggregates.</p>		
<ul style="list-style-type: none"> ➤ Chapter 4: Methods of Calculating National Income <ul style="list-style-type: none"> ▪ Value Added Method ▪ Income Method ▪ Expenditure Method 	<p>Learner will be able to</p> <ul style="list-style-type: none"> ▪ Understand the three methods of national income ▪ Solve numerical using three methods of national income 	<ul style="list-style-type: none"> ▪ Introductory Economics ▪ Board ▪ Projector ▪ PPT on methods of calculating National Income ▪ Video on methods of calculation of National Income 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ➤ Activity <ul style="list-style-type: none"> ▪ Students will read and understand the economic survey and find out which method is used for calculating 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flow chart on measurement of national income ➤ Skills <ul style="list-style-type: none"> ▪ Inquisitiveness ▪ Data Analysis ▪ Creative thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test ▪ Activity ▪ Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			National Income		
August Book 2: Indian Economic Development Unit 1: Development Experience (1947-90) and Economic Reforms since 1991 <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, industry and foreign trade. ▪ Economic Reforms since 1991 ▪ Features and appraisals of liberalization, globalization and privatization (LPG policy) 	Learner will be able to understand <ul style="list-style-type: none"> ▪ Colonial exploitation of the Indian Economy under the British Rule ▪ Features, success and failures of Planning in India ▪ Importance, features, problems of Indian Agriculture ▪ Agrarian Reforms ▪ Importance of Industry ▪ IPR- 1956 ▪ Development of SSI 	<ul style="list-style-type: none"> ▪ Textbook on Indian Economic Development ▪ Board ▪ Projector ▪ Video on Indian Economy on the Eve of Independence ▪ Video on Indian Economy 1950-1990 ▪ LPG: An appraisal ▪ PPT on Indian Economy at the eve of Independence ▪ PPT on five year plans ▪ PPT on Economic Reforms 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Solve numerical ➤ Activity <ul style="list-style-type: none"> ▪ Topics of the unit will be divided among students and they will create a slide on Google slides and write what they have understood and share it to the 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Prepare a comparative analysis on economic policies at the time of independence and after independence ▪ Add and Pass activity on Google slides ➤ Skills <ul style="list-style-type: none"> ▪ Inquisitiveness ▪ Collaborative Learning ▪ Creative thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test/Written test ▪ Activity ▪ Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> Concepts of demonetization and GST 	<ul style="list-style-type: none"> India's Foreign Trade before and after Independence Inward Looking Trade Strategy Need and Elements of Economic Reforms An Appraisal of LPG Policies 		next student		
September <ul style="list-style-type: none"> Unit 2: Current challenges facing Indian Economy <ul style="list-style-type: none"> Poverty- absolute and relative; Main programs for poverty alleviation: A critical assessment; Rural Development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming 	Learner will be able to understand <ul style="list-style-type: none"> What is Poverty and who is Poor? What is Poverty Line? Causes of Poverty Measures to remove Poverty Poverty Alleviation Programmes Challenges of 	<ul style="list-style-type: none"> Textbook on Indian Economic Development Board Projector Video on Poverty Video on Rural Development PPT on Poverty and Rural Development 	<ul style="list-style-type: none"> Learner will be provided with opportunities to <ul style="list-style-type: none"> Recapitulate the concepts learnt in the previous class Brainstorm Understand the topic with the help of flow chart/curves Explain the topic with the help of real life examples 	<ul style="list-style-type: none"> Art Integration <ul style="list-style-type: none"> Draw a flow chart on- main programs for poverty alleviation Activity on rural development Skills: <ul style="list-style-type: none"> Ability to simplify complex issues into relevant pieces of information Problem solving 	<ul style="list-style-type: none"> Submission <ul style="list-style-type: none"> Book Exercise Assignment Assessment <ul style="list-style-type: none"> Oral test / Written test Activity Google Forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	Rural Development		<ul style="list-style-type: none"> ➤ Activity <ul style="list-style-type: none"> ▪ Students will prepare a tabular comparison on rural development 		
September	Half Yearly Examination				
October • Unit 2: Current challenges facing Indian Economy <ul style="list-style-type: none"> ▪ 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. ▪ Infrastructure: Meaning and Types: Case Studies: Energy and Health: Problems and Policies- A critical assessment; ▪ Sustainable Economic 	Learner will be able to understand <ul style="list-style-type: none"> ▪ Concept of Human Capital Formation ▪ Sources of Human Capital Formation ▪ Role of Human Capital Formation ▪ Problems facing Human Capital Formation ▪ Size of Workforce in India ▪ Rate of Participation in 	<ul style="list-style-type: none"> ▪ Textbook on Indian Economic Development ▪ Board ▪ Projector ▪ Video on Human Capital Formation ▪ Video on Growth of Employment and Workforce in India ▪ Video on Infrastructure ▪ PPT on HCF, Employment and Infrastructure 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous class ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Explain the topic with the help of real life examples ➤ Activity <ul style="list-style-type: none"> ▪ Students will give a 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw a comparative outlook of Employment - Formal and Informal ▪ Activity on types of unemployment in India ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Critical thinking ▪ Presentation Skills 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / Written test ▪ Activity ▪ Google Forms



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Economics

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming.	India <ul style="list-style-type: none"> ▪ Casualisation and Informalisation of Workforce ▪ What is Infrastructure? ▪ Infrastructure and Development ▪ Concept and functions of Environment ▪ Problems related to Environment ▪ Sustainable Development ▪ Strategies for Sustainable Development 		presentation on different types of unemployment in India		
November Unit3: Development Experience of India, Pakistan and China-A comparative study <ul style="list-style-type: none"> ▪ A comparison with 	<ul style="list-style-type: none"> ▪ Strategy of Growth of India, China and Pakistan ▪ Comparative Performance of 	<ul style="list-style-type: none"> ▪ Textbook on Indian Economic Development ▪ Board ▪ Projector ▪ Video on China, 	<ul style="list-style-type: none"> ➤ Learner will be provided with opportunities to <ul style="list-style-type: none"> ▪ Recapitulate the concepts learnt in the previous 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw flow chart on role of Human Capital Formation ➤ Skills <ul style="list-style-type: none"> ▪ Presentation skills 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ Book Exercise ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Oral test / ▪ Written test



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Economics

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
neighbors- India and <ul style="list-style-type: none"> ▪ Pakistan, India and china ▪ Issues – Growth, population, sectoral development and other human indicators 	the Economies <ul style="list-style-type: none"> ▪ Common Success Story of India and Pakistan 	India and Pakistan <ul style="list-style-type: none"> ▪ PPT on China, India and Pakistan 	class <ul style="list-style-type: none"> ▪ Brainstorm ▪ Understand the topic with the help of flow chart/curves ▪ Explain the topic with the help of real life examples ➤ Activity <ul style="list-style-type: none"> ▪ Students will present a comparative growth analysis of India, China and Pakistan 	<ul style="list-style-type: none"> ▪ Critical thinking ▪ Creative thinking 	<ul style="list-style-type: none"> ▪ Activity ▪ Google Forms
December	Pre-Board Examination				
January	Board Practical Examination				
February/March	Board Examination				



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Mathematics

(Session: 2021-2022)

Yearly Goals: The aims of teaching and learning mathematics are to encourage and enable students to; recognize that Mathematics permeates the world around us, appreciate the usefulness, power and beauty of mathematics, enjoy mathematics and develop patience and persistence when solving problems.

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April NCERT Textbook of Mathematics Part - 1 Chapter 1: Relations & functions <ul style="list-style-type: none"> Types of relations: Reflexive, symmetric, Transitive & Equivalence relations. Type of functions: - One to one & onto functions, composite functions, inverse of a function. 	The learner will be able to <ul style="list-style-type: none"> define the terms 'relation' & 'function' and even distinguish in between them. differentiate the types of relations and functions. find the inverse of a function depending on its verified conditions. apply appropriate Venn diagrams to show the results of relations & functions. 	<ul style="list-style-type: none"> NCERT Textbook of Mathematics Worksheet PPT - Relations PPT - Functions 	<ul style="list-style-type: none"> The learners will be provided with opportunities to <ul style="list-style-type: none"> recapitulate the previous knowledge on relations & functions differentiate in between relation & function link the concept to real life examples. identify the relation & function by applying their properties. Activity To demonstrate a function which is one-one but not onto. 	<ul style="list-style-type: none"> Art Integration <ul style="list-style-type: none"> Concept Mapping Core Skills <ul style="list-style-type: none"> Problem solving Construct logical arguments and expose illogical arguments 	<ul style="list-style-type: none"> Submission <ul style="list-style-type: none"> NCERT Book exercises Submission of activity Assignment Assessment <ul style="list-style-type: none"> Unit test Google forms



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Mathematics

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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ➤ Chapter 2: Inverse trigonometric functions <ul style="list-style-type: none"> ▪ Definition, Range, Domain, Principal value branch. ▪ Graphs of inverse trigonometric Functions ▪ Elementary properties of inverse trigonometric functions. 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ distinguish in between trigonometric functions & inverse trigonometric functions ▪ draw the graphs of all inverse trigonometric functions ▪ evaluate the domain, range and principal value of inverse trigonometric functions ▪ apply the knowledge of trigonometry to solve the problems of inverse 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ PPT - Trigonometric graphs 	<ul style="list-style-type: none"> ➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on trigonometric functions. ▪ understand the concept of graphs ▪ recall the domain & range of various functions depending on graphs. ➤ Activity: To draw the graph of $\sin^{-1}x$ using the graph of $\sin x$ and demonstrate the mirror reflection (about line $y = x$) 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ▪ Graphical presentation ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Critical thinking, ▪ Ability to manipulate precise & intricate ideas 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Mathematics

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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	trigonometric functions.				
May • NCERT Textbook of Mathematics Part - 1 ➤ Chapter 3: Matrices <ul style="list-style-type: none"> ▪ 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 – commutative property of multiplication of 	The learner will be able to <ul style="list-style-type: none"> ▪ understand the concept, notation, order, types of matrices ▪ find transpose, add and multiply of matrices ▪ use simple properties of addition, multiplication and scalar multiplication of matrices ▪ find inverse of matrix by elementary row and column transformation ▪ understand 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ PPT on Matrices 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on arrangement of numbers, things, persons. ▪ understand the relevance of matrices in general life. ▪ apply various operations to get required results. ▪ implement on application based problems of matrices and link them to 	➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Mathematics

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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<p>matrices and existence of non- zero matrices whose product is the zero matrix (restrict to square matrices of order 2)</p> <ul style="list-style-type: none"> ▪ Concept of elementary row and column operations. ▪ Invertible matrices and proof of the uniqueness of inverse if it exists 	<p>invertible matrices and proof of the uniqueness of inverse transformation, use the concept of matrices and determinants in solving different type of equations</p>		<p>general life.</p>		
<p>➤ Chapter 4: Determinants</p> <ul style="list-style-type: none"> ▪ Determinant of a square matrix (up to 3 x 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 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ define the term 'Determinant' and distinguish in between Matrix & Determinant. ▪ evaluate the value of any determinant ▪ apply appropriate properties of determinants while solving problems ▪ solve system of linear equations 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ PPT - Determinants 	<p>➤ The learners will be provided with opportunities to</p> <ul style="list-style-type: none"> ▪ recapitulate the knowledge of operations, properties of matrices. ▪ expand the determinant to get absolute values. ▪ apply the properties for operational 	<p>➤ Art Integration</p> <ul style="list-style-type: none"> ▪ Concept mapping <p>➤ Skills</p> <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	<p>➤ Submission</p> <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment <p>➤ Assessment</p> <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms



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Pedagogical Plan of Mathematics

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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
number of solutions of system of linear equations by examples <ul style="list-style-type: none"> Solving system of linear equations in two or three variables using inverse of a matrix. 	<ul style="list-style-type: none"> find the area of any triangle using determinant method 		<ul style="list-style-type: none"> expansion. check the consistency of linear equations. 		
May	Periodic Test - I				
July <ul style="list-style-type: none"> NCERT Textbook Part - 1 <ul style="list-style-type: none"> Chapter 5: Continuity & Differentiability <ul style="list-style-type: none"> Continuity 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 	The learner will be able to <ul style="list-style-type: none"> define what it means for a function to be continuous. identify where a given function is continuous/discontinuous. use the Intermediate Value Theorem to estimate roots of functions including non-polynomial functions. 	<ul style="list-style-type: none"> NCERT Textbook of Mathematics Worksheet PPT – Various forms of differentiation 	<ul style="list-style-type: none"> The learners will be provided with opportunities to <ul style="list-style-type: none"> recapitulate the previous knowledge on limits and derivatives get the derivatives of various functions as logarithm, exponential, explicit & trigonometric functions. link the concept 	<ul style="list-style-type: none"> Art Integration <ul style="list-style-type: none"> Concept mapping Skills <ul style="list-style-type: none"> Problem solving Analytical thinking 	<ul style="list-style-type: none"> Submission <ul style="list-style-type: none"> NCERT Book exercises Submission of activity Assignment Assessment <ul style="list-style-type: none"> Unit test Google forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> exponential functions ▪ Derivative of functions expressed in parametric forms ▪ Second order derivatives ▪ Rolle's and Lagrange's Mean Value Theorems and their geometric interpretation. 	<ul style="list-style-type: none"> ▪ explain the steps of proof of Chain Rule, given a simplified version of the proof. ▪ find $f'(x)$ using implicit differentiation, given a curve $f(x, y) = g(x, y)$ composed of simple functions. 		<p>to general life in some aspects.</p> <ul style="list-style-type: none"> ➤ Activity : To find analytically the limit of a function $f(x)$ at $x = c$ and check the continuity of the function at the 		
<ul style="list-style-type: none"> ➤ Chapter 6: Application of derivatives <ul style="list-style-type: none"> ▪ 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 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ define the term 'derivative' based on previous knowledge ▪ find critical points to decide whether a function is increasing or decreasing ▪ find the points of maxima and minima using various methods 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ Video - A.O.D. 	<ul style="list-style-type: none"> ➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge of derivatives. ▪ relate the concept of rate of change to real life examples ▪ get the approximate values of 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<p>tool)</p> <ul style="list-style-type: none"> ▪ Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations). 	<ul style="list-style-type: none"> ▪ connect the topics of maxima and minima into practical approach 		<p>functions using the concept</p> <ul style="list-style-type: none"> ▪ find the maximum and minimum values of application based problems (to get areas, volumes, cost, profit etc) <p>➤ Activity: To understand the concepts of local maxima, local minima and point of inflection.</p>		
<p>August</p> <ul style="list-style-type: none"> ➤ NCERT Textbook Part - 2 ➤ Chapter 7: Integrals <ul style="list-style-type: none"> ▪ Integration as inverse process of differentiation ▪ Integration of a variety of functions by substitution, by partial fractions and by parts 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ define the term ‘Integrals’ ▪ distinguish in between ‘derivatives’ & ‘integrals’ ▪ verify the complete inverse 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ PPT – Integrals 	<p>➤ The learners will be provided with opportunities to</p> <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on the topic differentiation & integration ▪ understand the 	<p>➤ Art Integration</p> <ul style="list-style-type: none"> ▪ Concept mapping ▪ Bounded areas <p>➤ Skills</p> <ul style="list-style-type: none"> ▪ Problem solving ▪ Practical approach 	<p>➤ Submission</p> <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment <p>➤ Assessment</p> <ul style="list-style-type: none"> ▪ Unit test ▪ Google



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ▪ Evaluation of simple integrals of the following types and problems based on them. $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}$ $\int \frac{px + q}{ax^2 + bx + c} dx, \int \frac{px + q}{\sqrt{ax^2 + bx + c}} dx, \int \sqrt{a^2 \pm x^2} dx, \int \sqrt{x^2 - a^2} dx$ $\int \sqrt{ax^2 + bx + c} dx, \int (px + q)\sqrt{ax^2 + bx + c} dx$ <ul style="list-style-type: none"> ▪ 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>process of differentiation and integration</p> <ul style="list-style-type: none"> ▪ evaluate simple integrals of various types ▪ evaluate definite integration using properties and different formulas ▪ find the limit as sum 		<p>concept of substitution, partial fraction in case of integration</p> <ul style="list-style-type: none"> ▪ integrate the functions of different natures using properties & formulas ▪ learn the formulas & concepts in a systematic manner <p>➤ Activity: To evaluate the definite integral $\int_a^b \sqrt{1-x^2} dx$ as the limit of a sum and verify it by actual integration.</p>		<p>forms</p>
September	Half Yearly Examination				



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
October • NCERT Textbook of Mathematics Part - 2 ➤ Chapter 8: Application of integrals <ul style="list-style-type: none"> ▪ 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). 	The learner will be able to <ul style="list-style-type: none"> ▪ define 'integration' first. ▪ find the area of bounded curves using definite integration ▪ apply various formulas of integration accordingly 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ Video - A.O.I. 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge of definite integration ▪ find out the areas of various bounded curves ▪ find the areas of combination of curves ▪ think over the application based problems and try to find out their solutions too. 	➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ▪ Bounded areas ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Practical approach 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms
➤ Chapter 9: Differential equations <ul style="list-style-type: none"> ▪ Definition, order and degree ▪ General and particular solutions of a differential equation 	The learner will be able to <ul style="list-style-type: none"> ▪ define the term 'Differential equations' ▪ define 'order' & 'degree' 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ PPT – Differential Equation 	➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge of derivatives, 	➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ▪ 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. 	<ul style="list-style-type: none"> ▪ form a differential equation ▪ solve homogeneous differential equations ▪ solve linear differential equations 		<p>integration & coefficients of variables.</p>		<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms
<ul style="list-style-type: none"> ➤ Chapter 10: Vectors <ul style="list-style-type: none"> ▪ 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, 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ define two physical quantities; scalars and vectors ▪ define the term 'vector' ▪ explain various types of vectors ▪ explain the properties of 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ Video - Vectors 	<ul style="list-style-type: none"> ➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on scalar & vector quantities ▪ recall the concept of unit vector ▪ connect 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> 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 ▪ 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"> vectors ▪ illustrate dot product and cross product ▪ explain triple product of vectors 		<ul style="list-style-type: none"> direction ratios and direction cosines ▪ apply triangle law of addition ▪ understand the concept of dot product and cross product & distinguish in between them. ➤ Activity To verify geometrically $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$ 		
November <ul style="list-style-type: none"> ➤ NCERT Textbook of Mathematics Part - 2 ➤ Chapter 11: Three Dimensional Geometry <ul style="list-style-type: none"> ▪ Direction cosines and direction ratios of a line joining two points ▪ Cartesian equation and 	The learner will be able to <ul style="list-style-type: none"> ▪ define the term 'dimension' ▪ explain 3-D with illustration ▪ define direction cosines & direction ratios 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ Video - Three Dimensional Geometry 	<ul style="list-style-type: none"> ➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on concept of 1-D, 2-d and 3-D ▪ apply the 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test



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<p>vector equation of a line, coplanar and skew lines</p> <ul style="list-style-type: none"> ▪ 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 	<ul style="list-style-type: none"> ▪ elaborate Cartesian and vector form of any equation ▪ explain coplanar and skew lines ▪ find out the shortest distance in between two lines ▪ find the distance between two planes ▪ find the angle between two lines, two planes, a line and a plane. 		<p>relation between D.R.'s & D.C.'s</p> <ul style="list-style-type: none"> ▪ relate the concept to real life examples ▪ use the concept in detail to summarise the properties of 3-D ▪ imagine the things while solving the problems <p>➤ Activity: To measure the shortest distance between two skew lines and verify it analytically.</p>		<ul style="list-style-type: none"> ▪ Google forms
<p>➤ Chapter 12: Linear Programming</p> <ul style="list-style-type: none"> ▪ Introduction, related terminology such as constraints, objective function, optimization, different types of linear 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ understand the term LPP ▪ define the terms constraints, objective function, 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ Video – Application of L.P.P. 	<p>➤ The learners will be provided with opportunities to</p> <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on linear 	<p>➤ Art Integration</p> <ul style="list-style-type: none"> ▪ Concept mapping ▪ Graphical presentation <p>➤ Skills</p> <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	<p>➤ Submission</p> <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> 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). 	<ul style="list-style-type: none"> optimization ▪ formulate various problems easily ▪ use graphical method to introduce formulation of cost, profit, loss, manufacturing etc ▪ solve feasible infeasible regions ▪ solve transportations problems using LPP easily 		<ul style="list-style-type: none"> inequalities ▪ recall the concept of half plane ▪ apply the concept of in equations while drawing graphs ▪ link the concept to real life examples as in business strategies 		<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms
<ul style="list-style-type: none"> ➤ Chapter 13: Probability ▪ Conditional probability ▪ Multiplication theorem on probability ▪ Independent events ▪ Total probability, Bayes' theorem ▪ Random variable and its probability distribution 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ define the term 'Probability' ▪ explain 'Conditional probability' ▪ apply multiplication theorem on probability 	<ul style="list-style-type: none"> ▪ NCERT Textbook of Mathematics ▪ Worksheet ▪ Video – Probability 	<ul style="list-style-type: none"> ➤ The learners will be provided with opportunities to <ul style="list-style-type: none"> ▪ recapitulate the previous knowledge on probability ▪ apply the concept in real life events ▪ think over the 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Concept mapping ▪ Graphical presentation ➤ Skills <ul style="list-style-type: none"> ▪ Problem solving ▪ Analytical thinking 	<ul style="list-style-type: none"> ➤ Submission <ul style="list-style-type: none"> ▪ NCERT Book exercises ▪ Submission of activity ▪ Assignment ➤ Assessment <ul style="list-style-type: none"> ▪ Unit test ▪ Google forms



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Mathematics

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> Mean and variance of random variable. 	<ul style="list-style-type: none"> define independent events define random variables explain probability distribution with mean, variance, & SD illustrate Bayes' Theorem 		<p>activities where probability happens actually</p> <ul style="list-style-type: none"> to use the concept in statistics <p>► Activity 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.</p>		
December			Pre Board Examination		
January			Board Practical Examination		
February / March			Board Examination		



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Computer Science

(Session: 2021-2022)

Yearly Goals: The learners will have the ability to apply the concept of functions and recursion, create and use Python libraries, explain and use the concept of file handling, explain the concept of efficiency in algorithms and computing in general, use basic data structures: stacks and queues, explain basics of computer networks, use Database concepts, SQL along with connectivity between Python and SQL.

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April • Unit – I: Computational Thinking and Programming - 2 ➤ Revision of Python topics covered in Class XI. ➤ Functions <ul style="list-style-type: none"> ▪ Types of functions (built-in, functions defined in a module, user defined functions) ▪ Creating user defined function ▪ Arguments and parameters ▪ Default parameters ▪ Positional parameters ▪ Function returning value(s) ▪ Flow of execution 	Learner • recapitulates the Python concepts learnt in previous class • identifies the type of function used in a Python program as built-in function, module or user defined function • defines a function and calls it • differentiates between argument and parameter • defines and calls the function with default and positional parameters • defines a function with return values • explains the flow of	• Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE ➤ Computer Science – Textbook for Class XII by NCERT • Blackboard / Projector • Chalks • Desktop / Laptop • Internet • Software <ul style="list-style-type: none"> ▪ Python 3.x 	• The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ Demonstration of Python codes by <ul style="list-style-type: none"> ▪ using functions ▪ Creating and importing Libraries ▪ How to apply recursion in Python programs ▪ How to find the efficiency of a program ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions • The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ find and remove errors in a Python 	• Art Integration <ul style="list-style-type: none"> ➤ Diagram to show how a recursive function executes • AI <ul style="list-style-type: none"> ➤ Python Libraries for Artificial Intelligence • Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking ➤ Communication ➤ Creativity • Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology 	• Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Lab Activity • Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Lab Activity ➤ Class Assessment



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Pedagogical Plan of Computer Science
 (Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ▪ Scope of a variable (global scope, local scope) ➤ Using Python Libraries <ul style="list-style-type: none"> ▪ Create and import Python Libraries ➤ Recursion <ul style="list-style-type: none"> ▪ Simple programs with recursion ➤ Idea of efficiency <ul style="list-style-type: none"> ▪ Number of comparisons in Best, Worst and 	<ul style="list-style-type: none"> ☛ execution of a program identifies the scope of variables and finds output(s) and errors(s) of Python functions ☛ creates a Library in Python ☛ imports the library in another Python program ☛ uses function from the imported library ☛ understands the meaning and need of recursion ☛ uses recursion in Python programs to <ul style="list-style-type: none"> ➤ print a message forever ➤ find sum of first N natural numbers ➤ factorial of a given number ➤ generate Fibonacci Series ☛ explains linear search and explores the number 		<ul style="list-style-type: none"> code(s) ➤ find output of Python code(s) ➤ create and import Python libraries ➤ perform Python Programs <ul style="list-style-type: none"> ▪ Programs (as mentioned in the list attached) 	<ul style="list-style-type: none"> literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Productivity 	



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
Average case for linear search	of comparisons required to search a number if it is the <ul style="list-style-type: none"> ▪ first number (Best case) ▪ last number or a number that is not present in the list (Worst case) ▪ middle number (Average case) 				
<ul style="list-style-type: none"> ➤ File Handling <ul style="list-style-type: none"> ▪ Need for a data file ▪ Types of files <ul style="list-style-type: none"> • Text Files • Binary Files • CSV Files ▪ Absolute and relative paths ▪ Text Files <ul style="list-style-type: none"> • Opening in different modes • Opening a file using with clause 	Learner <ul style="list-style-type: none"> ☛ understands the need of files ☛ differentiates among the three types of files – text, binary and CSV ☛ differentiates between absolute and relative paths ☛ opens text file in r, r+, w, w+, a and a+ modes ☛ opens a text file using with clause 	<ul style="list-style-type: none"> ☛ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE ➤ Computer Science – Textbook for Class XII by NCERT ☛ Blackboard / Projector ☛ Chalks 	<ul style="list-style-type: none"> ☛ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ PPT/Video ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions ➤ Demonstration <ul style="list-style-type: none"> ▪ Creating a text file ▪ Reading / manipulating text files 	<ul style="list-style-type: none"> ☛ Art Integration <ul style="list-style-type: none"> ➤ Classification of Files and their functions ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking ➤ Communication ➤ Creativity ☛ Literacy Skills 	<ul style="list-style-type: none"> ☛ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Lab Activity ☛ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Lab Activity ➤ Class Assessment



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> • closing a text file • Writing / appending data to a text file • Reading and manipulating • seek and tell methods 	<ul style="list-style-type: none"> ☛ closes a text file ☛ creates a text file and writes using write() and writelines() functions ☛ reads from a text file and manipulates <ul style="list-style-type: none"> ▪ character by character ▪ line by line ▪ word by word ☛ takes the file pointer to any position in the file and tells the position of file pointer 	<ul style="list-style-type: none"> ☛ Desktop / Laptop ☛ Software <ul style="list-style-type: none"> ➤ Flowchart ➤ Python 3.x ☛ PPT / Video <ul style="list-style-type: none"> ➤ Data File Handling ➤ Text Files 	<ul style="list-style-type: none"> ▪ Appending data in a text file ▪ Absolute and Relative paths ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Think and Reflect <ul style="list-style-type: none"> ▪ Create a text file using notepad and write your name and save it. Now, create a .docx file and write your name and save it as well. Check and compare the file size of both the files. Why is the file size different? ▪ Can we pass a tuple of numbers as an argument to writelines()? Will it be written to the file or an error will be generated? 	<ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Productivity 	



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			<ul style="list-style-type: none"> ➤ Perform Python Programs <ul style="list-style-type: none"> ▪ Programs (as mentioned in the list attached) 		
<ul style="list-style-type: none"> ▪ Binary Files <ul style="list-style-type: none"> • Opening a binary file • Closing a file • Importing pickle module • Writing to a binary file • Reading and searching / manipulating • Appending data • Updating data 	<p>Learner</p> <ul style="list-style-type: none"> ☛ opens a binary file using rb, rb+, wb, wb+, ab and ab+ modes ☛ closes a binary file ☛ imports pickle module and writes into the binary file using dump method ☛ reads from a binary file using load() method and displays / searches records for all / specific information ☛ adds more data to a binary file ☛ updates a binary file 	<ul style="list-style-type: none"> ☛ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE ➤ Computer Science – Textbook for Class XII by NCERT ☛ Blackboard / Projector ☛ Chalks ☛ Desktop / Laptop ☛ Software <ul style="list-style-type: none"> ➤ Flowchart ➤ Python 3.x ☛ PPT / Video <ul style="list-style-type: none"> ➤ Binary Files 	<ul style="list-style-type: none"> ☛ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ PPT / Video ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions ➤ Demonstration <ul style="list-style-type: none"> ▪ Creating a binary file ▪ Reading / manipulating binary files ▪ Appending data in a binary file ▪ Updating record in a binary file 	<ul style="list-style-type: none"> ☛ Art Integration <ul style="list-style-type: none"> ➤ Classification of Files and their functions ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking ➤ Communication ➤ Creativity ☛ Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Productivity 	<ul style="list-style-type: none"> ☛ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Lab Activity ☛ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Lab Activity ➤ Class Assessment



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			<ul style="list-style-type: none"> ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Think and Reflect <ul style="list-style-type: none"> ▪ For a newly created file, is there any difference between 'w' and 'a' mode? ➤ Perform Python Programs <ul style="list-style-type: none"> ▪ Programs (as mentioned in the list attached) 		
May	Periodic Test - 1				
<ul style="list-style-type: none"> ▪ CSV Files <ul style="list-style-type: none"> • Opening and closing • Import csv module • Writing to a CSV file • Reading from a CSV File 	Learner <ul style="list-style-type: none"> ☛ opens and closes a CSV file ☛ imports csv module ☛ creates a CSV file and writes into it using <code>csv.writerow()</code> ☛ reads from a CSV file using <code>csv.reader()</code> 	<ul style="list-style-type: none"> ☛ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE ➤ Computer Science – Textbook for Class 	<ul style="list-style-type: none"> ☛ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ PPT / Video ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions ➤ Demonstration 	<ul style="list-style-type: none"> ☛ Art Integration <ul style="list-style-type: none"> ➤ Classification of Files and their functions ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking 	<ul style="list-style-type: none"> ☛ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Lab Activity ☛ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Lab Activity



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
	<ul style="list-style-type: none"> ☛ finds output of a case study based question on CSV files 	<p style="text-align: center;">XII by NCERT</p> <ul style="list-style-type: none"> ☛ Blackboard / Projector ☛ Chalks ☛ Desktop / Laptop ☛ Software <ul style="list-style-type: none"> ➤ Python 3.x ☛ PPT / Video <ul style="list-style-type: none"> ➤ CSV Files ➤ Libraries 	<ul style="list-style-type: none"> ▪ Creating a CSV file ▪ Reading from CSV files ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Perform Python Programs <ul style="list-style-type: none"> ▪ Programs (as mentioned in the list attached) ▪ Find output of case study based questions ➤ Work on Project (Topic Research) 	<ul style="list-style-type: none"> ➤ Communication ➤ Creativity ☛ Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Productivity 	<ul style="list-style-type: none"> ➤ Class Assessment
<ul style="list-style-type: none"> ➤ Data Structures <ul style="list-style-type: none"> ▪ Stacks <ul style="list-style-type: none"> • Introduction • Operations on stack (Push and Pop) • Implementation of stack using a list 	<p>Learner</p> <ul style="list-style-type: none"> ☛ defines a stack and explains its working ☛ defines stack operations such as push, pop, overflow and underflow ☛ implements stack using a list 	<ul style="list-style-type: none"> ☛ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE ➤ Computer Science – Textbook for Class 	<ul style="list-style-type: none"> ☛ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions ➤ Demonstration 	<ul style="list-style-type: none"> ☛ Art Integration <ul style="list-style-type: none"> ➤ Show the working of a stack and queue with a diagram ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving 	<ul style="list-style-type: none"> ☛ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Lab Activity ☛ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz



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<ul style="list-style-type: none"> ▪ Queues <ul style="list-style-type: none"> • Operations on queue • Implementation of queue using a list 	<ul style="list-style-type: none"> ☛ defines a queue and explains its working ☛ performs queue operations such as enqueue, dequeue, is empty, peek and is full ☛ implements queue using a list 	<p style="text-align: center;">XII by NCERT</p> <ul style="list-style-type: none"> ☛ Blackboard / Projector ☛ Chalks ☛ Desktop / Laptop ☛ Software <ul style="list-style-type: none"> ➤ Python 3.x 	<ul style="list-style-type: none"> ▪ How to implement stack and queue ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Think and Reflect <ul style="list-style-type: none"> ▪ How does a compiler or an interpreter handle function calls in a program? ▪ Can you implement a queue data structure using tuple or dictionary? ➤ Perform Python Programs <ul style="list-style-type: none"> ▪ Programs (as mentioned in the list attached) ➤ Work on Project (Topic Research and First Draft) 	<ul style="list-style-type: none"> ➤ Critical thinking ➤ Communication ➤ Creativity ☛ Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Productivity 	<ul style="list-style-type: none"> ➤ Lab Activity ➤ Class Assessment
<p>July</p> <ul style="list-style-type: none"> ☛ Unit – III: Database Management 	Learner	<ul style="list-style-type: none"> ☛ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with 	<ul style="list-style-type: none"> ☛ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and 	<ul style="list-style-type: none"> ☛ Art Integration <ul style="list-style-type: none"> ➤ Draw a diagram to 	<ul style="list-style-type: none"> ☛ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ➤ Database Concepts ➤ Relational data model <ul style="list-style-type: none"> ▪ Domain ▪ Relation ▪ Tuple ▪ Attribute ▪ Degree ▪ Cardinality ▪ Keys <ul style="list-style-type: none"> • Primary key • Candidate key • Alternate key • Foreign key ➤ Structured Query Language <ul style="list-style-type: none"> ▪ Advantages of using SQL ▪ DDL ▪ DML ▪ Data Types: number / decimal, 	<ul style="list-style-type: none"> ☛ understands the basic concepts of database ☛ defines relation, domain, tuple, attribute, degree, cardinality and explains with the help of an example ☛ differentiates between key and non-key attributes ☛ defines and identifies the keys as candidate, primary, alternate and foreign keys ☛ expands SQL ☛ mentions the advantages of SQL ☛ expands DDL and DML ☛ differentiates between DDL and DML ☛ classifies the commands of DDL and DML ☛ identifies the type of data 	<ul style="list-style-type: none"> Python by CBSE ➤ Computer Science – Textbook for Class XI by NCERT ☛ Blackboard / Projector ☛ Chalks ☛ Desktop / Laptop ☛ Software <ul style="list-style-type: none"> ➤ MySQL ➤ Python 	<ul style="list-style-type: none"> Blackboard ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions ➤ Demonstration <ul style="list-style-type: none"> ▪ Videos ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Think and Reflect <ul style="list-style-type: none"> ▪ Observe Voter Identity cards of your family members and identify the data fields under which data are organised. Are they same for all? ▪ Can we use arithmetic operators (+, -, *, or /) on date functions? ▪ When we click a photograph using 	<ul style="list-style-type: none"> show <ul style="list-style-type: none"> ▪ relational data model ▪ Keys ▪ Mind Map to show DDL and DML commands ☛ AI <ul style="list-style-type: none"> ➤ Use of MySimple-Show / MindMap / Inklewriter / Scribbling Speech ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking ➤ Communication 	<ul style="list-style-type: none"> class <ul style="list-style-type: none"> ➤ Assignment ☛ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Class Assessment



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character / varchar / varchar2, date ▪ Constraints ▪ SQL commands: CREATE TABLE, DROP TABLE, ALTER TABLE, UPDATESET....., INSERT, DELETE; SELECT, DISTINCT, FROM, WHERE, IN, BETWEEN, LIKE, NULL / IS NULL, ORDER BY, GROUP BY, HAVING; ▪ SQL functions: SUM (), AVG (), COUNT (), MAX () and MIN (); ▪ Joins: equi-join and natural join	<ul style="list-style-type: none"> ☛ differentiates between varchar and varchar2 ☛ applies constraints like not null, unique, primary key ☛ Applies DDL commands to create / delete / modify the structure of a table ☛ Applies DML commands to insert / modify / delete data in tables ☛ Manipulates data using different clauses ☛ applies different aggregate functions in SQL queries ☛ retrieves data from more than one table 		our digital or mobile camera, does it have some metadata associated with it? ▪ Identify attributes needed for creating an Aadhaar Card. ▪ Is it necessary to store data in files before processing? ▪ Visit a few shops where records are maintained manually and identify a few limitations of manual record keeping faced by them. ▪ What are the other data types supported in MySQL? ▪ Which two constraints when applied together	<ul style="list-style-type: none"> ➤ Creativity ➤ Collabora- tion ☛ Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Initiative ➤ Leadership ➤ Self- awareness 	



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<ul style="list-style-type: none"> ▪ Cartesian product on two tables 	<ul style="list-style-type: none"> ☛ finds cartesian product of two tables 		<p>will produce a Primary Key constraint?</p> <ul style="list-style-type: none"> ▪ Which datatype out of Char and Varchar will you prefer for storing mobile number? ▪ Which of the two insert statements should be used when the order of data to be inserted are not known? ▪ List few examples from your daily life where storing the data in the database and querying the same can be helpful. ▪ When we type first letter of a contact name in our contact list in our mobile phones all the names 		
<p>August</p> <ul style="list-style-type: none"> ▪ Interface of Python with an SQL database <ul style="list-style-type: none"> • Connecting SQL with Python • Creating Database connectivity Applications • Performing Insert, Update, Delete queries • Display data by using fetchone(), fetchall(), rowcount • Creating database creativity applications 	<p>Learner</p> <ul style="list-style-type: none"> ☛ understands how to establish a connection with SQL from Python ☛ learns how to install a module for SQL connectivity ☛ imports the module in Python to establish a connection with SQL ☛ creates database and tables and performs DML commands ☛ fetches one or more records ☛ counts number of records affected by the query ☛ creates applications based on database creativity 				



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			<p>containing that character are displayed. Can you relate SQL statement with the process? List other real-life situations where you can visualise a SQL statement in operation.</p> <p>➤ Project: second Draft</p>		
September	Half Yearly Examination				
October ➤ Unit II: Computer Networks ➤ Evolution of Networking <ul style="list-style-type: none"> ▪ ARPANET ▪ NSFNET ▪ INTERNET ➤ Data communication terminologies <ul style="list-style-type: none"> ▪ Channel ▪ Bandwidth 	Learner <ul style="list-style-type: none"> ➤ explains the network and its need ➤ expands ARPANET ➤ knows the history of Internet ➤ defines Internet ➤ defines channel, bandwidth ➤ arranges data transfer rates in ascending / descending order 	<ul style="list-style-type: none"> ➤ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE ➤ Computer Science – Textbook for Class XII by NCERT 	<ul style="list-style-type: none"> ➤ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ Discussion of Scoring Points / Marking Scheme / Sample Questions ➤ Demonstration <ul style="list-style-type: none"> ▪ Videos/PPTs 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ➤ Classify Communication media ➤ Types of switching techniques ➤ Transmission Media ➤ Types of topologies 	<ul style="list-style-type: none"> ➤ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Lab Activity ➤ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Lab Activity ➤ Class Assessment



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<ul style="list-style-type: none"> ▪ Data Transfer Rate ▪ Switching techniques ➤ Transmission Media <ul style="list-style-type: none"> ▪ Twisted pair cable ▪ Coaxial cable ▪ Optical Fiber ▪ Infrared ▪ Radio Waves ▪ Microwave ▪ Satellite ➤ Network Devices <ul style="list-style-type: none"> ▪ Modem ▪ RJ45 Connector ▪ Ethernet Card ▪ Router ▪ Switch ▪ Gateway ▪ WiFi Card ➤ Network Topologies and types <ul style="list-style-type: none"> ▪ Bus, Star, Ring, Tree 	<ul style="list-style-type: none"> ☛ knows the different switching techniques used to transfer data – circuit, message and packet switching ☛ differentiates between guided and unguided media ☛ knows the advantages and disadvantages of different transmissions media ☛ identifies different network devices and gets familiar with their usage ☛ expands MODEM and explains its working ☛ knows the placement of switch / router / gateway ☛ defines topology ☛ explains the working, advantages and disadvantages of Bus, Star, Ring and Tree 	<ul style="list-style-type: none"> ☛ Blackboard / Projector ☛ Chalks ☛ Desktop / Laptop ☛ Videos / PPTs 	<ul style="list-style-type: none"> ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Think and Reflect <ul style="list-style-type: none"> ▪ List various types of senders on a network. ▪ Find out how many hertz is 10 Megahertz. ▪ Create a hotspot using a smartphone and connect other devices to it. ▪ Find and list a few ISPs in your region. ▪ Explore and find out the minimum internet speed required to make a video call. ▪ It is possible to access your bank account from any part of the world. Whether the bank's 	<ul style="list-style-type: none"> ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking ➤ Communication ➤ Creativity ☛ Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ➤ Media literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Initiative ➤ Leadership ➤ Self-awareness 	



GOLAYA PROGRESSIVE PUBLIC SCHOOL, PALWAL

Pedagogical Plan of Computer Science

(Session: 2021-2022)

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ▪ PAN, LAN, MAN, WAN ➤ Network Protocol <ul style="list-style-type: none"> ▪ TCP/IP ▪ FTP ▪ PPP ▪ HTTP and HTTPS ▪ SMTP ▪ POP3 ▪ Telnet ▪ VoIP ▪ Wireless / Mobile communication protocol 	<ul style="list-style-type: none"> ☛ identifies the type of network ☛ expands each protocol ☛ defines the service provided by each protocol ☛ differentiates between HTTP and HTTPS ☛ differentiates between SMTP and POP3 ☛ mentions the protocols used for remote login and how to conduct face to face communication using voice ☛ knows the protocol to be used for wireless / mobile communication such as GSM, GPRS and WLL 		<p>network is a LAN, MAN, WAN or any other type?</p> <ul style="list-style-type: none"> ▪ How will a Bus and Ring topology behave in case a Node is down? ▪ Find and list other Email Protocols. ▪ Work on Project (Third Draft) 		
<p>November</p> <ul style="list-style-type: none"> ➤ Introduction to Web services <ul style="list-style-type: none"> • WWW • HTML • XML 	<p>Learner</p> <ul style="list-style-type: none"> ☛ expands and explains the different web services ☛ differentiates between HTML and XML 	<ul style="list-style-type: none"> ☛ Textbooks <ul style="list-style-type: none"> ➤ Computer Science with Python by CBSE 	<ul style="list-style-type: none"> ☛ The topics will be explained through <ul style="list-style-type: none"> ➤ Lecture method and Blackboard ➤ Discussion of Scoring Points / Marking 	<ul style="list-style-type: none"> ☛ Art Integration <ul style="list-style-type: none"> ➤ Draw a Mind Map to show mutable and 	<ul style="list-style-type: none"> ☛ Submissions <ul style="list-style-type: none"> ➤ Explanation of topics learnt in class ➤ Assignment ➤ Video / Film



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> • Domain Names • URL • Website • Web browser • Web Servers • Web Hosting 	<ul style="list-style-type: none"> ☛ identifies domain and URL from the given address ☛ defines website ☛ explains the role of web browser and web server ☛ defines web hosting 	<ul style="list-style-type: none"> ➤ Computer Science – Textbook for Class XII by NCERT ☛ Blackboard / Projector ☛ Chalks ☛ Desktop / Laptop ➤ Videos / PPTs 	<p>Scheme / Sample Questions</p> <ul style="list-style-type: none"> ➤ Demonstration <ul style="list-style-type: none"> ▪ Videos/PPTs ☛ The learner will be provided opportunities and encouraged to <ul style="list-style-type: none"> ➤ Think and Reflect <ul style="list-style-type: none"> ▪ When was the first Cookie created? ▪ Visit NCERT, SWAYAM or any other website and note down URLs of some of the specific pages of that website. ▪ Find out the first web browser. ▪ Name the open source web browser. ▪ Find out some of the Web hosting service providers from both 	<p>immutable data types</p> <ul style="list-style-type: none"> ☛ AI <ul style="list-style-type: none"> ➤ Use of MySimple-Show / MindMap / Inklewriter / Scribbling Speech ☛ Learning Skills <ul style="list-style-type: none"> ➤ Problem solving ➤ Critical thinking ➤ Communication ➤ Creativity ☛ Literacy Skills <ul style="list-style-type: none"> ➤ Information literacy ➤ Technology literacy ➤ Media literacy ☛ Life Skills <ul style="list-style-type: none"> ➤ Initiative 	<ul style="list-style-type: none"> ▪ http and https ▪ Web services ➤ Practical File ➤ Project Report ☛ Assessment <ul style="list-style-type: none"> ➤ Submissions ➤ Quiz ➤ Class Assessment



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
			categories — free and paid. ➤ Work on Project (Final Submission)	➤ Leadership ➤ Self- awareness	
December	First Pre-Board Examination				
January	Second Pre-Board Examination Board Practical Examination				
February / March	Board Examinations				



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List of programs

S.No.	Name of the program
1	Define a function table() having an integer type parameter N. The function has to print the table of N. Call this function.
2	Define a function bigger() having two integer type parameters to print the bigger of the given parameters. Define a function smaller() having two integer type parameters to print the smaller of the given parameters. Also, call these functions.
3	<ol style="list-style-type: none">1. Create a module with file name calculator.py having following functions:<ul style="list-style-type: none">• add() having two parameters that returns the sum of the given parameters.• sub() having two parameters that returns the difference of the given parameters.• prod() having two parameters that returns the product of the given parameters.• quotient() having two parameters that returns the quotient of the given parameters. Now, save and execute this file.2. Create another Python file and import calculator module. Try to call all the functions mentioned in the module i.e. add(), sub(), prod() and quotient().
4	Write a recursive code to find the factorial of a natural number
5	Write a recursive code to find the sum of all elements of a list.
6	Write a recursive code to compute the nth Fibonacci number
7	Write a Python program to count how many times "to" appears as an independent word in a text file.



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List of programs

S.No.	Name of the program
8	Create a CSV file by entering user-id and password, read and search the password for given user-id.
9	Read a text file line by line and display each word separated by a #.
10	Read a text file and display the number of vowels/ consonants/ uppercase/ lowercase characters in the file.
11	Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.
12	Create a binary file with roll number, name and marks. Input a roll number and update the marks.
13	Remove all the lines that contain the character `a' in a file and write it to another file.
14	Write a Python program to implement a stack using a list data-structure.
15	Write a Python program to implement a queue using a list data-structure.
16	Write a Python program to create a table student in MySQL.
17	Write a Python program to insert records in student table after taking input from the user.
18	Write a Python program to search for a student's details in student table created in MySQL.



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List of programs

S.No.	Name of the program
19	Write a Python program to update a student's details in student table created in MySQL.
20	Write a Python program to delete a student's details in student table created in MySQL.



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Pedagogical Plan of Computer Science
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Examination	Syllabus
Periodic Test – 1	<ul style="list-style-type: none">☛ Unit – I: Computational Thinking and Programming – 2<ul style="list-style-type: none">➤ Revision of Python topics covered in Class XI➤ Functions➤ Recursion➤ Idea of Efficiency➤ Using Python Libraries➤ File Handling<ul style="list-style-type: none">▪ Text Files▪ Binary Files
Half Yearly Examination	<ul style="list-style-type: none">☛ Unit – I: Computational Thinking and Programming – 2<ul style="list-style-type: none">➤ Revision of Python topics covered in Class XI➤ Functions➤ Recursion➤ Idea of Efficiency➤ Using Python Libraries➤ File Handling<ul style="list-style-type: none">▪ Text Files▪ Binary Files▪ CSV Files➤ Data Structures<ul style="list-style-type: none">▪ Stacks▪ Queues☛ Unit – III: Database Management<ul style="list-style-type: none">➤ Database Concepts➤ Relational data model



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Examination	Syllabus
	<ul style="list-style-type: none">➤ Structured Query Language➤ Interface of Python with an SQL database
Pre Board Examination	Full Syllabus <ul style="list-style-type: none">☛ Unit – I: Computational Thinking and Programming – 2☛ Unit – II: Computer Networks☛ Unit – III: Database Management



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Pedagogical Plan of Physical Education

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Yearly Goals: Promoting Physical Fitness as Fun, Developing Teamwork, Sportsmanship, and Cooperation.

Acquire a range of movement skills to participate in a variety of physical activities.

Understand and apply movement concepts, principles and strategies in a range of physical activities.

Demonstrate safe practices during physical and daily activities with respect.

Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
April • Physical Education by (CBSE) ➤ Unit 1: Planning in Sports <ul style="list-style-type: none"> ▪ Meaning and Objectives of Planning ▪ Various Committees and their Responsibilities (pre; during and post) ▪ Tournament – Knock-Out, League or Round Robin and Combination ▪ Procedure to Draw Fixtures – Knock-Out (Bye and Seeding) and League (Staircase) 	The learner will be able to <ul style="list-style-type: none"> ▪ describe the concept of planning in sports ▪ classify the committees and its responsibilities in sports event ▪ differentiate the different type of tournament ▪ prepare fixtures of knock out and league ▪ distinguish between intramural and extramural ▪ design sports program in their school 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ Video - Different Tournaments ▪ White board ▪ Reference Material published by CBSE. ▪ PPT - Planning in Sports 	<ul style="list-style-type: none"> ➤ The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> ▪ share what they have learnt about important concepts during their secondary stage Read, discuss and write about Planning in Sports. ➤ Activity <ul style="list-style-type: none"> ▪ Working in your group, plan in detail the Interclass / Inter house Basketball matches to be 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Our School is hosting Sports Meet. Plan and present a Folk Art for the Opening Ceremony ▪ Prepare a report on the Annual Sports Day of your school for publishing in a National daily ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Decision Making ▪ Problem Solving 	<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by asking questions to students in class room on anyone topic by each student. ▪ Class tests on every topic. ▪ Google forms ➤ Submissions <ul style="list-style-type: none"> ▪ Art integration activities. ▪ Assignment. ▪ Physical Education (CBSE) Exemplar Solutions



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<p>and Cyclic)</p> <ul style="list-style-type: none"> ▪ Intramural and Extramural – Meaning, Objective and Significance ▪ Specific Sports Programme (Sports Day, Health Run, Run for Fun, Run for Specific Cause and Run for Unity) 			<p>held in your school.</p> <ul style="list-style-type: none"> ▪ Share your plan with the class. Vote for the best plan. ▪ Conduct small tournament within your school keeping in mind the plan you have created. 		
<p>May</p> <ul style="list-style-type: none"> ➤ Physical Education by (CBSE) <ul style="list-style-type: none"> ➤ Unit 2: Nutrition and Sports <ul style="list-style-type: none"> ▪ Balanced Diet and Nutrition: Macro and Micro Nutrients ▪ Nutritive and Non-Nutritive Components of Diet ▪ Eating for Weight control – A Healthy Weight, The Pitfalls of Dieting, Food 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ understand the concept of balanced diet and nutrition ▪ classify Nutritive and Non-Nutritive components of Diet ▪ identify the ways to maintain healthy weight ▪ know about foods commonly causing food intolerance ▪ recognize the pitfalls of dieting and food myths 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE ▪ PPT - Nutrition and Sports ▪ Video – Balanced diet 	<ul style="list-style-type: none"> ➤ The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> ▪ working in groups, prepare diet plans for the diet plan for building muscle for a vegetarian athlete ▪ diet plan for building muscle 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Poster making Competition on the benefits of Healthy Eating and Healthy Lifestyle ▪ If possible, develop a school vegetable garden to increase awareness about various vegetables. 	<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per the rubric provided. ➤ Submissions



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
Intolerance and Food Myths			<ul style="list-style-type: none"> for a non-vegetarian athlete. ▪ eating strategies for a person who wants to lose 15 kg 		<ul style="list-style-type: none"> ▪ Art integration activities. ▪ Assignment. ▪ CBSE Solutions
July • Physical Education by (CBSE) <ul style="list-style-type: none"> ➤ Unit 3: Yoga and 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, 	The learner will be able to <ul style="list-style-type: none"> ▪ identify the <i>asanas</i> beneficial for different types of ailments and health problems. ▪ recognize importance of various <i>asanas</i> for preventive measures of obesity, diabetes, asthma, hypertension, back pain. ▪ describe the procedure for performing variety of <i>asanas</i> for maximal benefits. ▪ distinguish the contraindications associated with performing of different <i>asanas</i>. 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE. ▪ PPT - Yoga and lifestyle 	<ul style="list-style-type: none"> ➤ The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> ▪ what are the factors that have led to an increase in sedentary behavior in our modern lifestyle? ▪ what prompts individuals into developing a particular lifestyle or adopting a particular 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Individually, the two possess extraordinary healing powers. It stands to reason then, that combining music and yoga together can create limitless possibilities of healing, transformation and peace. ▪ Although yoga can be practiced in silence, its effects can be magnified if it is paired with nice, pleasant music. ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking 	<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per the rubric provided. ➤ Submissions <ul style="list-style-type: none"> ▪ Art integration activities. ▪ Assignment. ▪ CBSE Solutions



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<p>Ardh Matsyendrasana</p> <ul style="list-style-type: none"> ▪ Asthema: Procedure, Benefits & contraindications for Sukhasana, Chakrasana, Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasan ▪ Hypertension: Tadasana, Vajrasana, Pavan Muktasana, Ardha Chakrasana, Bhujangasana, Sharasana ▪ Back Pain: Procedure, Benefits & Contraindications Tadasana, Ardh Matsyendrasana, Vakrasana, Shalabhasana, Bhujangasana 	<ul style="list-style-type: none"> ▪ outline the role of yogic management for various health benefits and preventive measures. 		<p>occupational culture?</p> <ul style="list-style-type: none"> ▪ in what way do their different lifestyles and occupations impact their day to day life or health? ▪ what do you understand by the term lifestyle diseases? ▪ list some lifestyle <p>Take a round balloon and stretch it out. Take a deep breath and then exhale into the balloon. Pinch the end of the balloon and measure its diameter in cm.</p>	<ul style="list-style-type: none"> ▪ Decision Making ▪ Effective communication 	



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<ul style="list-style-type: none"> ➤ Unit 4: Physical education and sports for children with special needs ▪ 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. 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ describe the concept of Disability and Disorder. ▪ outline types of disability and describe its causes and nature. ▪ outline types of disorder and describe its causes and nature. ▪ explain various disability etiquettes ▪ list advantage of physical activities for children with special needs ▪ explain Strategies to make physical activities accessible for children with special needs 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ Video ▪ White board ▪ Reference Material published by CBSE. ▪ PPT – Sports for children 	<ul style="list-style-type: none"> ➤ The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> ▪ design some physical activities for students with physical or intellectual disabilities. ▪ some of these students are sensitive to sound, others have difficulties with coordination. ▪ Create some fun games that these students could play. 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Working in groups, design a booklet for your school library on Disability Etiquette. ▪ Draw Graphics to accompany the etiquettes. ➤ Skills: <ul style="list-style-type: none"> ▪ Critical thinking ▪ Logical thinking ▪ Problem solving ▪ Decision Making ▪ Interpersonal Relationship 	<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per the rubric provided. ➤ Submissions <ul style="list-style-type: none"> ▪ Art integration activities. ▪ Assignment. ▪ CBSE Solutions



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
August • Physical Education by (CBSE) ➤ Unit 5: Children and women in sports <ul style="list-style-type: none"> ▪ Motor development and factors affecting it. ▪ Exercise guidelines at different stages of growth and development. ▪ Common postural deformities-knock knees, flat foot, round shoulders, Lordosis, Kyphosis, Scoliosis and bow legs and their respective corrective measures. ▪ Sports participation of women in India. ▪ Special consideration (menarche and 	The learner will be able to <ul style="list-style-type: none"> ▪ understand the concept of motor development and factors affecting it. ▪ discuss exercise guidelines for different stages of growth and development. ▪ classify common postural deformities and identify corrective measures. ▪ recognize the role and importance of sports participation of women in India. ▪ identify special consideration relate to menarche and menstrual dysfunction. ▪ express female athlete triad according to eating disorders. 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE. ▪ PPT – Children and women in sports 	➤ The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> ▪ develop the concept of motor development ▪ know about different stages of growth and development 	➤ Art Integration <ul style="list-style-type: none"> ▪ There's no easier way to make someone smile, or let them know you admire them than giving them a heartfelt compliment. ▪ Write and dedicate a song to the Female Sports person you admire most. ➤ Skills <ul style="list-style-type: none"> ▪ Logical thinking ▪ Problem solving ▪ Decision Making 	➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per the rubric provided. ➤ Submissions <ul style="list-style-type: none"> ▪ Art integration activities. ▪ Assignment. ▪ CBSE Solutions



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<p>menstrual dysfunction)</p> <ul style="list-style-type: none"> ▪ Female athlete triad (osteoporosis, amenorrhea, eating disorders) 					
<p>➤ Unit 6: Test and measurement in sports</p> <ul style="list-style-type: none"> ▪ Motor Fitness Test – 50 M Standing Start, 600 M Run/ Walk, sit and Reach, Partial Curl Up, Push Ups (Boys), Modified Push Ups (Girls), Standing Broad Jump, Agility – 4x 10 M Shuttle Run. ▪ General Motor Fitness – Barrow three item general motor ability (Standing Broad Jump, Zig Zag Run, Medicine Ball Put – 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ perform 50 M Standing Start, 600 M Run/ Walk, sit and Reach, Partial Curl Up, Push Ups (Boys), Modified Push Ups (Girls), Standing Broad Jump, Agility – 4x 10 M Shuttle Run ▪ demonstrate Barrow three item general motor ability test ▪ compute physical fitness Index through Harvard Step Test/Rockport Test ▪ describe the procedure of Rikli and Jones - 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE. ▪ PPT – Measurement in sports 	<p>➤ The learner will be provided with opportunities individually or in groups & encouraged to</p> <ul style="list-style-type: none"> ▪ working in pairs, list the following activities into Gross and Fine Motor Skills. ▪ climbing up, down, over, under and through things ▪ completing shape puzzles ▪ cutting shapes with scissors ▪ dumping and filling a bucket, 	<p>➤ Art Integration</p> <ul style="list-style-type: none"> ▪ To draw a diagram all the fitness test with equipments. <p>➤ Skills</p> <ul style="list-style-type: none"> ▪ Logical thinking ▪ Problem solving ▪ Decision Making ▪ team work, interpersonal 	<p>➤ Assessment</p> <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per the rubric provided. <p>➤ Submissions</p> <ul style="list-style-type: none"> ▪ Art integration activities. ▪ Assignment. ▪ CBSE Solutions



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
<p>For Boys: 03 Kg and For Girls: 01 Kg).</p> <ul style="list-style-type: none"> ▪ 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 and Jones - Senior Citizen Fitness Test 1. Chair Stand Test for lower body strength 2. Arm Curl Test for upper body strength 3. Chair Sit and Reach Test for lower body flexibility 4. Back Scratch Test for upper body 	<p>Senior Citizen Fitness Test</p>		<p>Jumping, Making shapes with play dough Running, Stacking blocks, Stringing beads, Throwing and catching</p> <ul style="list-style-type: none"> ▪ the physical abilities of a one-year-old are much different than the abilities of a five-year old. Complete the table listing the abilities of both. Working in groups ▪ distinguish between poor posture and proper posture. ▪ describe proper posture while sitting, studying, writing, standing, walking. 		



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Month Topic/Sub-topic	Learning Outcomes	Material / Teaching Aids	Pedagogy / Learning Strategies	Art Integration / Core Skills	Assessment / Submissions
flexibility 5. Eight Foot Up and Go Test for agility 6. Six Minute Walk Test for Aerobic Endurance.			<ul style="list-style-type: none"> design a poster to be put up on the school Notice Board urging students to maintain good posture 		
September Physical Education by (CBSE) <ul style="list-style-type: none"> Unit 7: Physiology and 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) 	The learner will be able to <ul style="list-style-type: none"> recognize the physiological factors determining the components of physical fitness comprehend the effects of exercise on cardio respiratory system know the effects of exercise on cardio respiratory system figure out the physiological changes due to ageing identify and classify sports injuries recognize and demonstrate the aims and objectives of First 	<ul style="list-style-type: none"> Physical Education by (CBSE) White board Reference Material published by CBSE. PPT - Physiology and injuries in sports Video – Sport injuries 	<ul style="list-style-type: none"> The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> discuss the injuries you have suffered on the Games field. the Sport/Game you were playing when the injury occurred. the cause of the injury. the treatment. discuss in your group 	<ul style="list-style-type: none"> Art Integration <ul style="list-style-type: none"> Make a 3D model of the knee showing any ONE of the injuries that may occur on the field. Skills <ul style="list-style-type: none"> self awareness effective communication, team work, interpersonal relationships 	<ul style="list-style-type: none"> Assessment <ul style="list-style-type: none"> Self-assessment by flip classroom method. Class tests. Google forms Random Questioning Assessment will be done as per the rubric provided. Submissions <ul style="list-style-type: none"> Art integration activities. Assignment. CBSE Solution



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<p>Injuries:(Abrasion, Contusion, Laceration, Incision,Sprain & Strain) Bone & Joint Injuries: (Dislocation, Fractures: Stress Fracture, Green Stick,Communated, Transverse Oblique & Impacted) Causes, Prevention& treatment</p> <ul style="list-style-type: none"> ▪ First Aid – Aims & Objectives 	<p>Aid</p>		<p>important part of the cardiovascular system. What can you do to keep your heart healthy?</p>		
<p>➤ Unit 8: Biomechanics and sports</p> <ul style="list-style-type: none"> ▪ Meaning and Importance of Biomechanics in Sports ▪ Types of Movements (Flexion, Extension, 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ recognize the concept of sports biomechanics ▪ know the importance of biomechanics in sports ▪ classify the various types of movements (such as flexion, extension, abduction and 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE. ▪ PPT - Biomechanics 	<p>➤ The learner will be provided with opportunities individually or in groups & encouraged to</p> <ul style="list-style-type: none"> ▪ what is biomechanics and sports biomechanics? 	<p>➤ Art Integration</p> <ul style="list-style-type: none"> ▪ Keeping in mind the biomechanics of sports, design sports apparel – dress, footwear etc. – for your favorites sport. You must justify the changes in design by listing the benefits of 	<p>➤ Assessment</p> <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per



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<p>Abduction and Adduction)</p> <ul style="list-style-type: none"> ▪ Newton's Laws of Motion and Its application in Sports ▪ Friction and Sports 	<p>adduction) as well as know the forces involved in it</p> <ul style="list-style-type: none"> ▪ define Newton's laws of Motion and identify their applicability in sports ▪ define friction and its usage in sports 	<ul style="list-style-type: none"> ▪ Video - Newton's Laws of motion 	<ul style="list-style-type: none"> ▪ how can study of sports biomechanics helps a coach to train their trainee in a better scientific manner? ▪ design a poster to show the importance of sports biomechanics for an athlete. 	<ul style="list-style-type: none"> ➤ Skills <ul style="list-style-type: none"> ▪ critical thinking ▪ coping with sports, ▪ problem solving your apparel. 	<p>the rubric provided.</p> <ul style="list-style-type: none"> ➤ Submissions <ul style="list-style-type: none"> ▪ Art integration activities ▪ CBSE Solution
<p>October</p> <ul style="list-style-type: none"> ➤ Physical Education by (CBSE) <ul style="list-style-type: none"> ➤ Unit 9: Psychology and sports <ul style="list-style-type: none"> ▪ Personality; its definition and types – Trait and Types (Sheldon and Jung Classification) and Big Five Theory ▪ Motivation, its type and techniques 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ classify different types of personality and its relationship with sport performance. ▪ recognize concept of motivation and identify various types of motivation. ▪ illustrate various strategies of motivation used in sports. 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE. ▪ PPT – Psychology and sports 	<ul style="list-style-type: none"> ➤ The learner will be provided with opportunities individually or in groups & encouraged to <ul style="list-style-type: none"> ▪ here are a number of personality traits that may or may not apply to you. Please write a number next to each statement to 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Working in groups, design a caricature about sportsperson from India who has displayed ▪ Aggression, assertive, behavior on the field. Likeness, Exaggeration, Statement. ➤ Skills <ul style="list-style-type: none"> ▪ Critical thinking 	<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning ▪ Assessment will be done as per the rubric provided. ➤ Submissions



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<ul style="list-style-type: none"> ▪ Exercise Adherence; Reasons to Exercise, Benefits of Exercise ▪ Strategies for Enhancing Adherence to Exercise ▪ Meaning, Concept and Types of Aggressions in Sports 	<ul style="list-style-type: none"> ▪ various reasons to exercise and its associated benefits. ▪ identify strategies for promoting exercise adherence. ▪ differentiate types of aggression in sports 	<ul style="list-style-type: none"> ▪ Video – Benefits of exercise 	<p>indicate the extent to which you agree or disagree with that statement.</p> <p>1 = Disagree strongly 2 = Disagree moderately 3 = Disagree a little 4 = Neither agree nor disagree 5 = Agree a little 6 = Agree moderately 7 = Agree strongly</p>	<ul style="list-style-type: none"> ▪ Problem solving ▪ Decision Making ▪ Interpersonal Relationship 	<ul style="list-style-type: none"> ▪ Art integration activities ▪ CBSE Solution
<p>November</p> <ul style="list-style-type: none"> ➤ Physical Education by (CBSE) <ul style="list-style-type: none"> ➤ Unit 10: Sports training <ul style="list-style-type: none"> ▪ Strength: Definition, Types and Methods of Improving Strength- Isometric, 	<p>The learner will be able to</p> <ul style="list-style-type: none"> ▪ classify Isometric, Isotonic and Isokinetic training ▪ understand different methods of endurance development ▪ differentiate different method to improve 	<ul style="list-style-type: none"> ▪ Physical Education by (CBSE) ▪ White board ▪ Reference Material published by CBSE. 	<p>The learner will be provided with opportunities individually or in groups & encouraged to</p> <ul style="list-style-type: none"> ▪ working in groups, plan a video of exercises to improve 	<ul style="list-style-type: none"> ➤ Art Integration <ul style="list-style-type: none"> ▪ Draw all the figure of all training methods ➤ Skills <ul style="list-style-type: none"> ▪ Self-Awareness ▪ Empathy ▪ Managing Emotions ▪ Critical thinking, ▪ Problem solving 	<ul style="list-style-type: none"> ➤ Assessment <ul style="list-style-type: none"> ▪ Self-assessment by flip classroom method. ▪ Class tests. ▪ Google forms ▪ Random Questioning



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<p>Isotonic and Isokinetic</p> <ul style="list-style-type: none"> ▪ Endurance: Definition, Types and Methods to Develop Endurance- Continuous Training, Interval Training and Fartlek Training ▪ Speed: Definition, Types and Methods to Develop Speed- Acceleration Run and Pace Run ▪ Flexibility: Definition, Types and Methods to Improve Flexibility ▪ Coordinative Abilities: Definition and Types ▪ Circuit Training- Introduction and Importance 	<p>flexibility</p> <ul style="list-style-type: none"> ▪ explain Coordinative Abilities ▪ describe Circuit Training 	<ul style="list-style-type: none"> ▪ PPT – Sports training ▪ Video - Endurance 	<p>endurance. Record the video and put it on YouTube</p>	<ul style="list-style-type: none"> ▪ Decision Making 	<ul style="list-style-type: none"> ▪ Assessment will be done as per the rubric provided. ➤ Submissions <ul style="list-style-type: none"> ▪ Art integration activities. ▪ CBSE Solution



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Practical

Max. Marks 30

01. Physical Fitness

6 Marks

*02. Skills of any one Team Game Proficiency in Games and Sports of choice from the given list**

7 Marks

03. Yogic Practices

7 Marks

*04. Record File***

5 Marks

05. Viva

5 Marks

Basketball, Football, Handball, Hockey, Kho Kho, Volleyball & Unified Basketball Bocce (CWIN Children with Special Needs-Divyang.

Practical-1 : Fitness tests administration for all items.

Practical-2 : Procedure for Asanas, Benefits & Contraindication for any two Asanas each lifestyle disease.

Practical -3 : Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.

Practical-4 : Any one game of your choice out of the list above. Labelled diagram of field & equipment Rules, Terminologies &Skills)

