

GRADE:IX			Subject: English			
Month	Sr No.	Ls. No.	Topic	Name of the Book	Pg. No.	Date of Completion
April	1	1	The Fun They Had.	Beehive - NCERT	5 - 14	
	2		Writing skill : Write a letter to the publisher, Mindfame Private Limited, 1632 Asaf Ali Road, New Delhi, requesting to send a set by Value Payable Post (VPP) to order one set of Issac Asimov's short stories.			
	3		Activity 1 : Conduct a Debate on "should the school of future have no books and no teacher". Write a Report on it in 200-250 words.			
	4	1	The Road Not Taken.	Beehive - NCERT	15-16	
	5	1	Grammar : Tenses - Worksheet.	New Saraswati House		
	6	1	The Lost Child.	Moments - NCERT	1 - 6	
	7		Activity 2 : Write in 200-250 words how you would ensure not to get lost in the fair.			
	8	2	The Adventure Of Toto.	Moments - NCERT	7 - 11	
	9		Writing Skill : Write letter to the Manager, School Book Shop, Rehabari, Guwahati to place an order for stationary items required in the school.			
	10		Activity 3 : Do you have a pet? Is your pet mischievous? Tell the class about it and write a descriptive paragraph on it in 150-200 words.			
	11		Writing skill : Today you saw a long queue outside a bank and ATM that you visited along with your mother. Non-availability of cash made the people agitated and security personnel had a very tough time controlling the crowd. Write a page of your diary reflecting on the scenario in 200-250 words. (Class work)			
	12		Writing skill : Write a story in about 200-250 words with the beginning... The loyalty of dogs is unmatched and deeply moving (Class work)			
	13	1	Unit 1	Word and Expression 1	1-20	
June	14	1	The Sound Of Music.	Beehive - NCERT	17 - 29	
	15		Writing Skill : Answer the questions in 50-100 words one each of the two musicians Evelyn Glennie and Ustad Bismillah Khan. 1. Do you think that they both worked hard? 2. Where did they want to 'go'?			
	16	2	Wind.	Beehive - NCERT	30 - 31	
	17	3	Rain On The Roof.	Beehive - NCERT	41 - 42	
	18		Writing Skill : Write in 200-250 words about changes in your parents behaviour before your final result and after the results.			
	19		Grammar : Modals - Worksheet.	New Saraswati House		
	20	3	Iswaran the Storyteller.	Moments - NCERT	12 - 18	
	21		Writing Skill : Write a descriptive paragraph on 'Your favourite Story' in 150-200 words.			
22		Writing skill : You recently visited the British council library in Delhi. Describe your experience in the form of a diary entry in 200-250 words. (Class work)				
July	23	3	The Little Girl.	Beehive - NCERT	32 - 40	
	24		Activity 4 : Being a girl / boy, whom are you more close to, your father / mother ? Explain why? Explain why are you not close enough with your other parent ? What steps would you take to build a relationship based on understanding with your parent ? Write a paragraph of about 150 to 200 words from your own experience.			
	25	4	A Truly Beautiful Mind.	Beehive - NCERT	46 - 53	
	26	4	The Lake Isle of Innisfree.	Beehive - NCERT	54 - 55	
	27	4	In the Kingdom of Fools	Moments - NCERT	19 - 27	
	28		Writing skill : Your joys knew no bounds when you learnt that you have topped the English Olympiad test. You feel the whole credit for this goes to your mother. In order to express, your gratitude, make a diary entry. Write your feelings in 200-250 words. (Class work)			
	29		Writing skill : Your Ruchi auntie gifted you an Alsatian puppy thereby fulfilling your most cherished belong overdue desire. Needless to say you were on cloud nine ! You decide to express your emotion in a diary. Write it in about 200-250 words. (Home work)			
	30	2	Unit 2	Word and Expression 1	21-37	
Unit Test - I						
	31	5	The Snake And The Mirror.	Beehive - NCERT	56 - 64	
	32		Writing Skill : Try to rewrite the story 'The Snake And The Mirror' without its humour in 200-250 words, merely as a frightening incident. What details or parts of the story would you leave out?			
	33		Writing Skill : Read the description given alongside this sketch from a photograph in a newspaper (Times of India, 4 September 1999). Make up a story about what the monkey is thinking, or why it is looking into a mirror. Write a paragraph in 200-250 words about it.			
	34	5	The Legend Of The Northland.	Beehive - NCERT	65 - 67	
	35	6	My Childhood.	Beehive - NCERT	68 - 79	

August	36		Writing Skill : Write a short description of about 150- 200 words on how life in Rameswaram in the 1940's must have been like.		
	37		Activity 5 : Collect information on ISRO and APJ Kalam's contribution towards it and write it in 150-200 words.		
	38		Grammar : Subject – Verb Concord - Worksheet.	New Saraswati House	
	39	5	The Happy Prince.	Moments - NCERT	28 - 36
	40		Activity 6 : The little swallow says, "It is curious, but I feel quite warm now, although it is so cold." Have you ever had such a feeling? Share your experience with your friends and write a paragraph in about 150-200 words.		
	41		Grammar : Passive Voice - Worksheet.	New Saraswati House	
	42		Writing skill : Video games, internet, cellphones and other high-tech gear are just part of growing up in a digital world. Write an article in 200-250 words describing both the benefits and harms of using these high-tech devices. (Home work)		
	43		Writing skill : Recently you visited a famous National park. You were shocked to see the illegal felling of trees. Write an article in 250-300 words on the topic 'Grow More Trees'. (Class work)		
September	44	3	Unit 3	Word and Expression 1	38-54
	45	7	Reach For The Top.	Beehive - NCERT	84 - 94
	46		Writing Skill : Write a short article in about 150-200 words for the school magazine comparing and contrasting the Tennis players Maria Sharapova (Russia) & Lindsay Davenport (U.S).		
	47	6	Poem - No Men Are Foreign.	Beehive - NCERT	80 - 81
	48		Writing skill : You recently visited a beautiful monument. Write an article in 200-250 words for your school magazine titled " Monuments - Our Pride and Heritage." (Home work)		
	49		Writing skill : Write a story in about 250-300 words which has the ending... My good deed had been paid in full and my prayers had been answered. I could now join the expedition. (Class work)		
	50	4	Unit 4	Word and Expression 1	55-66
October	51		Writing skill : More and more children are using your phones as they come back from schools. Sometimes they meet with accidents while crossing the road for the railway crossing. Write an article in about 200-250 words on 'Ill effects of using your earphones', for your school magazine. (Class work)		
	52		Writing skill : Write an article in about 200-250 words on 'Global Warming' for your school magazine. You are Seema/Rosy of D.A.V. school Chandigarh. (Home work)		
	53	5	Unit 5	Word and Expression 1	67-79
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)					
November	54		Writing skill : You are Jishu/Mini you live in a remote village. There is want of electricity. So you find problem to pursue your studies. Your parents are arranging solar light for your help. Write an article on "Importance of Solar light in the village". (Class work)		
	55	8	Kathmandu.	Beehive - NCERT	98 - 106
	56		Writing Skill : Write a Diary entry for a travelogue in about 200-250 words, Imagine that you were with Vikram Seth on his visit to Pashupatinath temple, and you were noting down all that you saw and did there, so that you could write a travelogue later. (Class work)		
	57		Writing Skill : Write a travelogue in 150-200 words describing your visit to Agra and the Taj Mahal. (Home work)		
	58	7	On Killing A Tree.	Beehive - NCERT	95 - 97
	59	7	The Last Leaf.	Moments - NCERT	44 - 48
	60	6	Unit 6	Word and Expression 1	80-95
December	61		Activity 7 : Have you ever felt depressed and rejected? How did you overcome such feelings? Share your experience with your classmates and write it in 150-200 words.		
	62	8	A House Is Not A Home.	Moments - NCERT	49 - 55
	63		Activity 8 : Have any of your classmates/ schoolmates had an experience like the one described in the story where they needed help? Describe how they were helped in 150-200 words.		
	64		Activity 9 : Make a Flip book on the different stages of a tree's life as depicted in the poem.		
	65		Writing skill : Write a story in about 200-250 words ending with..... Remember mother, that way, I shall always be around to see you no matter where I am Love you! (Home work)		
	66		Writing skill : Write a story in about 200-250 words with the help of the given clues. Sunday morning--- busy streets and eateries---short -circuit in a building's basements---people trapped---cries for help--- fire-fighters called--- property damaged.---- but people saved. (Class work)		
67	7	Unit 7	Word and Expression 1	96-111	
68	9	If I Were You.	Beehive - NCERT	109 - 118	
69		Activity 10 : Write a paragraph of about 200-250 words each about Gerrard and the Intruder to show what qualities they have.			

January	70		Activity 11 : Convert the play 'If I were You' into a story (150-200 words). Provide a suitable title to it.		
	71		Writing skill : There is an on-going debate on whether snake charmers should continue in their profession. Discuss in pairs or groups, and write for or against the profession of snake charmers in 200-250 words.		
	72		Grammar : Clauses : Relative Clause - Worksheet.	New Saraswati House	
	73		Grammar : Prepositions - Worksheet.	New Saraswati House	
	74		Activity 12 : Enact a drama on 'If I were you' and write a Dialogue on it.		
	75		Writing skill : In an inter-state debate competition under 15, you were awarded with the best speaker's trophy. It was a dream come true ! To make a record of your feelings. Write a diary entry in about 200-250 words (Home work)		
	76		Writing skill : You could not appear in the final examination due to an attack of dengue fever. Narrate your feelings and how you overcame the situation in 150- 200 words.(Home work)		
	8	Unit 8	Word and Expression 1	112-123	
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)					
February	77	8	A Slumber Did My Spirit Seal.	Beehive - NCERT	107 - 108
	78	10	The Beggar	Moments - NCERT	62 - 66
	79		Activity 14 : How you can help beggars/abolish begging? Write in about 200-250 words.		
	80		Writing skill : You recently visited a Zoo in your city. Make a diary entry in about 200-250 words to record your feelings about the Zoo and its inmates. (Class work)		
	81		Writing skill : You and your sister decide to give surprise gifts to your parents on their marriage anniversary. Write a diary entry of about 200-250 words on how you managed to make your parents happy. (Home work)		
	82	9	Unit 9	Word and Expression 1	124-137
March	83	Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)			

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April	1	1	दुःख का अधिकार	सर्श भाग -1	6-13	
	2		क्रियाकलाप 1 : भारत में हुए सत्याग्रह और सत्याग्रहियों की सूची बनवाना			
	3	7	अब कैसे छूटे राम नामा	सर्श भाग -1	63-67	
	4	1	गिल्लू	संचयन भाग -1	1-7	
	5		व्याकरण - अपठित गद्यांश (1-5, 1-3)	सरस्वती व्याकरण दर्शिका	27-30,39-42	
	6		व्याकरण - शब्द और पद	सरस्वती व्याकरण दर्शिका	51-53	
	7		अनुच्छेद लेखन - त्योहारों का जीवन में महत्व (Class work)			
	8		अनुच्छेद लेखन - यात्रा जिसे मैं भूल नहीं पाता (Class work)			
	9		अनुच्छेद लेखन - नवरात्र (Home work)			
June	10	2	एवंसेट : मेरी शिखर यात्रा	सर्श भाग -1	14-27	
	11		क्रियाकलाप 2 : प्रकृति के सौंदर्य की अनुभूति एवं चर्चा करना			
	12	7	ऐसी लाल तृण बिना .	सर्श भाग -1	67-70	
	13		पत्र लेखन - अनौपचारिक पत्र - अपने भाई के जन्म दिवस के अवसर पर अपने मित्र को निमंत्रण पत्र लिखिए। (Class work)			
	14		पत्र लेखन - अनौपचारिक पत्र - मित्र के पिताजी के असामयिक निधन पर मित्र को सांत्वना पत्र लिखिए। (Home work)			
	15		पत्र लेखन - औपचारिक पत्र - अपने विद्यालय के प्रधानाचार्य को सध्याकालीन खेल के प्रबंध के लिए प्रार्थना करते हुए एक आवेदन पत्र लिखिए			
July	16		पत्र लेखन - औपचारिक पत्र - चरित्र प्रमाण पत्र प्राप्त करने हेतु अपने विद्यालय के प्रधानाचार्य को आवेदन पत्र लिखिए। (Home work)			
	17	8	रहीम के दोहे	सर्श भाग -1	71-75	
	18	2	स्मृति	संचयन भाग -1	8-17	
	19		संदेश लेखन - कक्षा में प्रथम आने पर डेर सारी शुभकामनाएँ (Class work)			
	20		संदेश लेखन - जन्मदिन की हार्दिक शुभकामनाएँ (Class work)			
21		संदेश लेखन - गृह पूर्णिमा की हार्दिक शुभकामनाएँ (Home work)				
Unit Test - I						
	22	3	कल्लू कुमार की उनाकोटी	संचयन भाग -1	18-26	
	23	2	व्याकरण -अनुनासिक एवं अनुस्वार	सरस्वती व्याकरण दर्शिका	54-59	
	24		संवाद लेखन - सत्यव्रत और ऋषि के बीच संवाद (Class work)			
	25		संवाद लेखन - मालकिन सेवक और महारानी के बीच संवाद (Class work)			
	26		संवाद लेखन - पढ़ाई को लेकर तीन बच्चों के बीच संवाद (Home work)			
	September	27	4	मेरा छोटा - सा निजी पुस्तकालय	संचयन भाग -1	27-34
28			नारा लेखन - देश और किसानों पर लिखिए (Class work)			
29			नारा लेखन - अपने प्रिय देश पर लिखिए (Class work)			
30			नारा लेखन - चुनाव प्रचार के लिए एक नारे लिखिए। (Home work)			
October	31	3	तुम कब जाओगे अतिथि	सर्श भाग -1	28-35	
	32	4	व्याकरण - शब्द विचार (श्रुतिसम भिन्नार्थक शब्द पर्यायवाची शब्द विलोम शब्द)	सरस्वती व्याकरण दर्शिका	82-112	
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)						
November	33	4	वैज्ञानिक चेतना के वाहक : चंद्रशेखर वेंकट रामन	सर्श भाग -1	36-47	
	34		क्रियाकलाप 6 : जीवन मूल्यों पर चर्चा			
	35	3	व्याकरण - उपसर्ग और प्रत्यय	सरस्वती व्याकरण दर्शिका	60-81	
	36		सूचना लेखन - छात्र परिषद की बैठक के लिए सूचना पत्र (Class work)			
	37		सूचना लेखन - राष्ट्रीय आधुनिक कला संग्रहालय द्वारा आयोजित चित्रकला कार्यालय से संबंधित सूचना (Class work)			
	38		सूचना लेखन -आप संस्कृति परिषद के अध्यक्ष के रूप में स्कूल में आयोजित स्कूल नृत्य और गीत प्रतियोगिता के लिए सूचना पत्र लिखिए (Home)			
December	39	11	गीत - अगीत	सर्श भाग -1	76-80	
	40	12	अभिपद्य	सर्श भाग -1	81-83	
	41	5	व्याकरण - अर्थ की दृष्टि से वाक्य भेद	सरस्वती व्याकरण दर्शिका	113-121	
January	42	13	नए इलाके में	सर्श भाग -1	84-87	
	43		विज्ञापन लेखन - हिंदी पुस्तक का विज्ञापन (Class work)			
	44		विज्ञापन लेखन -सपना साड़ी सेंटर का विज्ञापन (Class work)			
	45		विज्ञापन लेखन - मिठाई वाले का विज्ञापन (Home work)			
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)						
February	46	6	शुक्रतारे के समान	सर्श भाग -1	48-59	
	47		क्रियाकलाप 13 : शुक्रतारे से संबंधित पौराणिक कथा कक्षा में सुनना			
	48	13	खुशबू रचते हैं हाथ	सर्श भाग -1	87-90	
	49		लघुकथा लेखन - दुःख का साथी (Class work)			
	50		लघुकथा लेखन - मूर्ख बना लंगूर (Class work)			
51		लघुकथा लेखन - घमंडी चोर (Home work)				
March	52	Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)				

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April	1	1	सर्वात्मका शिवसुंदरा (प्राथर्ना).	मराठी अक्षर भारती	1	
	2		Activity 1 – मनोबल वाढवणाऱ्या प्रार्थना गोळा करणे.			
	3	2	संतवाणी.	मराठी अक्षर भारती	2-5	
	4		Activity 2 – 'संतांचे कार्य' या विषयावर चर्चा करणे.			
	5	3	बेटा, मी ऐकतो आहे'.	मराठी अक्षर भारती	6-11	
	6		Activity 3 – वडिलांच्या स्वप्नपूर्तीसाठी तुम्ही केलेले प्रयत्न वर्गात सांगणे .			
June	7	4	जी. आय. पी. रेल्वे.	मराठी अक्षर भारती	12-14	
	8		Activity 4 – रेल्वेमधून तुम्ही केलेल्या प्रवासातील अनुभव सांगा			
	9	*	काझीरंगा (स्थूलवाचन).	मराठी अक्षर भारती	15-17	
	10		Activity 5 – काझीरंगा अभयारण्याबद्दल माहिती लिहा			
July	11	5	व्यायामाचे महत्व (कविता).	मराठी अक्षर भारती	18-19	
	12		Activity 6 – 'मैदानी खेळांचे महत्व' या विषयावर माहिती लिहा.			
	13	6	ओलिंपिक वर्तुळांचा गोफ.	मराठी अक्षर भारती	20-22	
	14		Activity 7 – कोणत्याही दोन ऑलिंपिक खेळाडूवर माहिती लिहा.			
Unit Test - I						
August	15	7	दिव्याच्या शोधामागचे दिव्य.	मराठी अक्षर भारती	23-26	
	16		Activity 8 – विद्युत पुरवठा नसलेल्या ठिकाणी येणाऱ्या अडचणींवर चर्चा करा.			
	17	8	सखू आजी.	मराठी अक्षर भारती	27-30	
	18		Activity 9 – 'नविन व जुनी पिढी यांतील फरक सांगा.			
Sept	19	*	हास्यचित्रांतली मुलं (स्थूलवाचन).	मराठी अक्षर भारती	31-34	
October	20	9	उजाड उषडे माळरानही (कविता).	मराठी अक्षर भारती	35-36	
	21	10	कुलूप.	मराठी अक्षर भारती	37-39	
	22	11	आभाळातल्या पाऊलवाटा.	मराठी अक्षर भारती	40-42	
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)						
November	23	12	पुन्हा एकदा (कविता).	मराठी अक्षर भारती	43-44	
December	24	13	तिफन (कविता).	मराठी अक्षर भारती	45-46	
	25	*	व्हेनिस (स्थूलवाचन).	मराठी अक्षर भारती	47-48	
January	27	14	ते जीवनदायी झाड.	मराठी अक्षर भारती	49-51	
	28	15	माझे शिक्षक व संस्कार.	मराठी अक्षर भारती	52-54	
	29	16	शब्दांचा खेळ.	मराठी अक्षर भारती	55-57	
	30		Activity 10 – पु. ल. देशपांडे यांचे 'चितळे मास्तर' हे पुस्तक वाचणे.			
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)						
February	31	*	विश्वकोश (स्थूलवाचन).	मराठी अक्षर भारती	58-62	
	32		Activity 12 – वेगवेगळ्या शब्दांचे अर्थ शब्दकोशातून शोधून यादी तयार करणे.			
March	33		Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)			

Grade: IX Subject:- Maths

Month	Sr. No.	Ls. No.	Topic	Name of Textbook	Pg. No.	Date of Completion
April	1	1	Rational and Irrational Numbers.	Foundation Course (JEE)	01 - 09	
	2		Activity 1 : To construct a square root spiral and obtain the approximate square root of 2, 3, 5 Project 1 : Make a power point presentation on development of irrational numbers from their origin. (Note : You may write an article instead of making a PPT)	Laboratory Manual for Mathematics	9-11	
				Laboratory Manual for Mathematics	79	
	4		Assignment 1 : Rational and Irrational Numbers.	Laboratory Manual for Mathematics	83	
	5	2	Number System	Foundation Course (JEE)	10-17	
	6	3	Polynomials	Foundation Course (JEE)	18-25	
	7		Activity 2 : I. To verify the identity : $(a - b)^3 = a^3 - 3a^2b + 3ab^2 - b^3$ Activity 2 : II. To verify the identity : $(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$	Laboratory Manual for Mathematics	13-16	
	8		Activity 3 : I. To verify the identity : $a^3 + b^3 = (a + b)(a^2 - ab + b^2)$ Activity 3 : II. To verify the identity : $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$ for simple cases using cuboids and cubes.	Laboratory Manual for Mathematics	16-19	
				Laboratory Manual for Mathematics	84	
9		Assignment 2 : Polynomials	Laboratory Manual for Mathematics	84		
June	10	4	Expansions	Foundation Course (JEE)	26-31	
	11	5	Factorization	Foundation Course (JEE)	32-37	
	12	6	Simultaneous linear equations	Foundation Course (JEE)	38-44	
	13		Assignment 3 : Linear Equations	Laboratory Manual for Mathematics	86	
	14	7	Indices	Foundation Course (JEE)	45-48	
July	15	8	Logarithms	Foundation Course (JEE)	49-53	
	16	9	Arithmetic Progression	Foundation Course (JEE)	54-57	
Unit Test - I						
August	17	10	Trigonometry	Foundation Course (JEE)	58-64	
September	18	11	Heron's Formula	Foundation Course (JEE)	65-68	
			Assignment 4 : Heron's Formula	Laboratory Manual for Mathematics	92	
	19	12	Triangles	Foundation Course (JEE)	69-75	
	20		Activity 4 : To verify the angle sum property of a triangle.	Laboratory Manual for Mathematics	20-21	
	21		Activity 5 : To verify the exterior angle property of a triangle.	Laboratory Manual for Mathematics	22-24	
	22		Activity 6 : I. To verify that in a triangle, the sides opposite to equal angles are equal. Activity 6 : II. To verify that in a triangle, angle opposite to equal sides are equal.	Laboratory Manual for Mathematics	25-28	
				Laboratory Manual for Mathematics	29-31	
	23		Activity 7 : I. To verify that in a triangle, the greater angle has a greater side opposite to it. Activity 7 : II. To verify that in a triangle, the greater side has a greater angle opposite to it.	Laboratory Manual for Mathematics	29-31	
24		Assignment 5 : Triangles	Laboratory Manual for Mathematics Foundation Course (JEE)	90-91		
October	25	13	Mid- Point and intercept theorem	Foundation Course (JEE)	76-81	
	26		Activity 8 : To verify the mid-point theorem for a triangle, using paper cutting.	Laboratory Manual for Mathematics	35-37	
	27	14	Pythagoras Theorem	Foundation Course (JEE)	82-85	
	28		Assignment 6 : Lines and Angles	Laboratory Manual for Mathematics	88-89	
	29		Activity 9 : To obtain a parallelogram by paper folding.	Laboratory Manual for Mathematics	32-34	
	30		Activity 10 : To show that the figure obtain by joining the mid-point of the consecutive sides of a quadrilateral is a parallelogram.	Laboratory Manual for Mathematics	38-40	

	31		Activity 11 : To show by paper cutting and pasting that parallelograms on the same base and between the same parallels are equal in area.	Laboratory Manual for Mathematics	41-43	
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)						
November	32	15	Quadrilaterals	Foundation Course (JEE)	86-92	
	33		Assignment 7 : Constructions	Laboratory Manual for Mathematics	98	
	34	16	Circle	Foundation Course (JEE)	93-101	
	35		Activity 12 : To show by paper folding that equal chords of a circle are equidistance from the centre of the circle.	Laboratory Manual for Mathematics	52-54	
	36		Activity 13 : To verify that the angle subtended by an arc at the centre of a circle is twice the angle subtended by the same arc at any other point on the remaining part of the circle (Degree measure theorem).	Laboratory Manual for Mathematics	55-57	
	37		Activity 14 : To verify that the angles in the same segment	Laboratory Manual for Mathematics	58-60	
	38		Activity 15 : To verify the following, using the method of paper cutting, pasting and folding : (a) The angle in a semicircle is a right angle. (b) The angle in a major segment is an acute angle. (c) The angle in a minor segment is an obtuse angle.	Laboratory Manual for Mathematics	61-64	
	39		Activity 16 : To verify the following : (a) The sum of either pair of opposite angles of a cyclic quadrilateral is 180 (b) In a cyclic quadrilateral, the exterior angle is equal to the interior opposite angle.	Laboratory Manual for Mathematics		
	40		Assignment 8 : Circles	Laboratory Manual for Mathematics	97	
	41		Activity 17 : To show by paper cutting and pasting that the area of a triangle is half the product of its base and height.	Laboratory Manual for Mathematics	44-46	
	42		Activity 18 : To develop a formula for the area of a trapezium.	Laboratory Manual for Mathematics	47-49	
	43		Activity 19 : To show that the area of a rhombus is equal to half the product of its diagonals.	Laboratory Manual for Mathematics	50-51	
	December	44	17	Coordinate Geometry.		102-106
45			Project 2 : Make a power point presentation on applications of coordinate geometry in daily life (Note : You may write an article instead of making a PPT).	Laboratory Manual for Mathematics	80	
46			Assignment 9 : Coordinate Geometry	Laboratory Manual for Mathematics	85	
47			Activity 20 : I. To obtain the formula for the lateral surface area of a cone. Activity 20 : II. To obtain the formula for the volume of a right circular cone.	Laboratory Manual for Mathematics	71-73	
48			Activity 21 : I. To obtain the formula for the surface area of a sphere in terms of its radius. Activity 21 : II. To give a suggestive demonstration of the formula for the volume of a sphere in terms of its radius.	Laboratory Manual for Mathematics	74-76	
49			Assignment : 10. Surface area and volume.	Laboratory Manual for Mathematics	99	
	50	18	Mensuration	Foundation Course (JEE)	107-114	
	51	19	Sets	Foundation Course (JEE)	115-122	
	52		Activity 22 : I. To obtain the formula for the lateral surface area and total surface area of a right circular cylinder in terms of the radius (r) of its base and height (h). Activity 22 : II. To obtain the formula for the volume of a			

			right circular cylinder in terms of its heights and radius of the base.	Laboratory Manual for Mathematics	68-70	
January	53		Activity 23 : I. To obtain the formula for the lateral surface area of a cone. Activity 23 : II. To obtain the formula for the volume of a right circular cone.	Laboratory Manual for Mathematics	71-73	
	54		Activity 24 : I. To obtain the formula for the surface area of a sphere in terms of its radius. Activity 24 : II. To give a suggestive demonstration of the formula for the volume of a sphere in terms of its radius.	Laboratory Manual for Mathematics	74-76	
	55		Project 3 : Determine the surface area and volume of objects around us.	Laboratory Manual for Mathematics	81	
	56		Assignment : 11. Surface area and volume.	Laboratory Manual for Mathematics	99	

Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)

February	57	20	Functions	Foundation Course (JEE)	123-130	
	58	21	Statistics	Foundation Course (JEE)	131-139	
	59		Project 4 : To collect raw data, find its central tendencies and represent it using histograms and frequency polygons.	Laboratory Manual for Mathematics	82	
	60	22	Assignment 12 : Statistics Probability.	Laboratory Manual for Mathematics Foundation Course (JEE)	100 140-147	
March	61		Activity 23 : To verify experimentally that the sum of probabilities of all events in an experiment is equal to 1.	Laboratory Manual for Mathematics	77-78	
	62		Assignment 13 : Probability	Laboratory Manual for Mathematics	101-102	
Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)						

Grade: IX

Subject: Physics

Month	Sr. No.	LS.No.	Topic	Name of the Book	Pg. No.	Date of Completion
April	1	1	Measurements and experiment	Concise Physics	01-28	
	2	2	Motion in one dimension	Concise Physics	29-60	
	3	2	Motion in one dimension	Concise Physics	29-60	
	4		Activity 1 : Demonstration of Newton's Laws of motion.			
	5		Activity 2 : Observe the motion of inflated balloon attached at one end of thread fixed between two supports at some distance.			
	6		Activity 3 : Demonstrate the transfer of potential energy to kinetic energy by using an arrow and the stretched string on the bow.			
	7	3	Laws of motion	Concise Physics	61-90	
July	8		Activity 4 : Perform uniform circular motion using thread and stone and determining the direction of velocity.			
Unit Test - I						
August	10	4	Pressure in fluids and Atmospheric pressure	Concise Physics	91-113	
	11	5	Upthrust in fluids, Archimedes principle and floatation	Concise Physics	114-138	
	12	9	Experiment : To determine the density of a solid (denser than water) by using a spring balance and a measuring cylinder.	Madhubun	80-86	
	13		Experiment : To establish the relation between loss in weight of a solid when fully immersed in (i) tap water (ii) strongly salty water, with the weight of the water displaced by			
September	14	10	it by taking atleast two different solids.	Madhubun	87-93	
			Activity 5 : Verify Archimede's Principle.			
	15		Activity 6 : Show the phenomenon of capillarity and identify different types of miniscus.			
October	16	6	Heat and energy	Concise Physics	139-162	
		8	Experiment : To verify the laws of reflection of sound.	Madhubun	74-79	
	17	11	Experiment : To determine the speed of a pulse propagated through a stretched string/slinky.	Madhubun	94-98	
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)						
November	18	7	Reflection of light	Concise Physics	163-191	
December	19	8	Propogation of sound wave	Concise Physics	192-206	
20	21	9	Current electricity	Concise Physics	207-222	
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)						
February	21	10	Magnetism	Concise Physics	223-236	
	22		Activity 7 : Show total internal reflection using Laser light.			
March	23		Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)			

Grade: IX:ct: Chemistry

Month	Sr. No.	Ls. No.	Topic	Name of the Book	Pg. No.	Date of Completion
April	1	5	Atomic structure.	Foundation (Chemistry)		
	2		Experiment : To prepare true solutions of common salt, sugar and alum separately in water.	Madhuban		
	3		Experiment : To prepare suspension of soil, chalk powder and fine sand separately in water.			
	4	4	Atoms and molecules.	Foundation (Chemistry)		
	5		Experiment : To prepare colloids of starch, egg albumin and milk powder separately in water.	Madhuban		
	6		Experiment : To prepare colloids of starch, a true solution of common salt ,and suspension of chalk powder in water and distinguish between these on the basis of the following : (i) Transparency (ii) Filtration criterion (iii) Stability.			
	7		Activity 1 : Perform sublimation of ammonium chloride and camphor.			
June	8	1	Language of chemistry.	Foundation (Chemistry)		
	9	14	Foundation (Chemistry)			
	10	2	Chemical changes and reactions.			
July	12		Water , Solutions and Solubility.	Foundation (Chemistry)		
	13	3	Activity 2 : Prepare sandwich and understanding the proportion of each ingredient.			
Unit Test - I						
August	14	6	The Periodic Table.	Foundation (Chemistry)		
	15		Experiment :To prepare (a) a mixture and (b) a compound using iron filings and sulphur powder.	Madhuban		
	16	8	Metals and Non-Metals.	Foundation (Chemistry)		
	17		Experiment : To distinguish between the mixture and compound on the basis of : (i) Appearance i.e., homogeneity and heterogeneity (ii) Behaviour towards magnet (iii) Behaviour towards carbon disulphide as a solvent (iv) Effect of heat.	Madhuban		
	18		Activity 3 : Perform thomson's plum pudding model using water-melon.			
19	7	Study of first Elements - Hydrogen	Foundation (Chemistry)			
September	20		Activity 4 : Perform & understand endothermic and exothermic reactions.			
	21		Activity 5 : Understand the process of rusting of iron through performing the			
	22	7	Experiment : To determine the melting point of ice.	Madhuban		
	23		Experiment : To determine the boiling point of the given sample of water.			
October	25	9	Chemical bonding.	Foundation (Chemistry)		
	26	12	Chemical kinetics.	Foundation (Chemistry)		
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)						
November	27	10	Mole concept and Stoichiometry.	Foundation (Chemistry)		
	28		Activity 6 : Identifying the element on the basis of their types.			
	29	15	Atmospheric Pollution.	Foundation (Chemistry)		
	30		Activity 7 : Draw a 3D Model of carbon .			
	31		Activity 8 : Draw a 3D Model of diamond.			

December	32	4	Experiment : To study the chemical reaction of iron nail with copper sulphate solution in	Madhuban		
	33		Experiment : To study the reaction when magnesium ribbon is burnt in air and to classify it as physical and chemical change.			
	34		Experiment : To study the chemical reaction of zinc with dilute sulphuric acid and classify it as physical or chemical change.			
	35		Experiment : To study the changes when copper sulphate is heated and to identify the type of change.			
	36		Experiment : To study the reaction between sodium sulphate and barium chloride in their aqueous solutions and to identify the type of change.			
January	38	11	Study of Gas Law.	Foundation (Chemistry)		
	39	13	Chemical Equilibrium.	Foundation (Chemistry)		
	40		Activity 9 : Distillation of water.			
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)						
	41	3	Experiment : To separate the components of a mixture of sand, common salt and ammonium chloride (or camphor).	Madhuban		
February	42	14	Organic Chemistry.	Foundation (Chemistry)		
	43		Activity 10 : To distinguish metals and non-metals by conducting electricity.			
March	44	Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)				

Grade: IX Subject: Biology

Month	Sr. No.	Ls. No.	Topic	Name of the Book	Date of Completion
April	1	1	Introduction to biology	Foundation(Biology)	
	2	5	Experiment : To prepare stained temporary mount of onion peel and to record observations and draw labelled diagrams.	Madhuban	
	3	2	Cell- The unit of life	Foundation(Biology)	
	4	3	Tissue – plants and animal tissue	Foundation(Biology)	
June		4	The flower	Foundation(Biology)	
	5	5	Pollination and germination	Foundation(Biology)	
	6	6	Seeds – structure and germination	Foundation(Biology)	
			Experiment : To prepare stained temporary mount of human cheek cells and to record observations and draw labelled diagrams.	Madhuban	
		5		Foundation(Biology)	
July		7	Respiration in plants .	Foundation(Biology)	
	10		Activity 1 : Collect pictures of different animal in the locality and classify as per the taxonomy		
	11		Activity 2 : make the chart of respiration plants		
			Experiment : To identify parenchyma, collenchyma and sclerenchyma tissue in plants,	Madhuban	
	12	6			
	13	8	Five kingdom classification	Foundation(Biology)	
<i>Unit Test - I</i>					
August	14	9	Diversity in living world – plants	Foundation(Biology)	
	15	10	Economic importance of bacteria and fungi	Foundation(Biology)	
			Experiment :To identify striped, smooth and cardiac muscle fibres and nerve cells in animals	Madhuban	
	16	6			
September	17	11	Diversity in Living World-animal	Foundation(Biology)	
	18		Activity 3 : Collect pictures of different animal in the locality and classify as per the taxonomy.		
			Experiment : To study the characteristics of Spirogyra, Agaricus, moss, fern, Pinus (either with male cone or female cone) and an angiosperm and give two identifying features of groups they belong to.	Madhuban	
	19	12			
	20	15	Experiment : To study the external features of root, stem, leaf and flower of monocot and dicot plants.	Madhuban	
		21	12	Nutrition	Foundation(Biology)
October	23	13	Digestive system	Foundation(Biology)	
	24	14	Skeleton – movement and locomotion.	Foundation(Biology)	
	25	15	Skin – The jack of all trades		
<i>Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)</i>					
November			Experiment : To observe and draw the given specimens - earthworm, cockroach, bony fish and bird. For each specimen record : (A) one specific feature of its phylum. (B) one adaptive feature with reference to its habitat.	Madhuban	
December	26	13			
	27	16	The respiratory system	Foundation(Biology)	
	28	17	Hygiene – A key o healthy life	Foundation(Biology)	
	29		Activity 4: Draw life cycle of malaria disease.		
	31	18	Disease – cause and control	Foundation(Biology)	
	32	19	Aids and health	Foundation(Biology)	
	33	20	Health organization	Foundation(Biology)	

January	34	21	Improve in food resource	Foundation(Biology)	
	35		Activity 5 : Collect samples of different wheat, rice and make a comparative study between them.		
<i>Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)</i>					
February	36	22	Waste generation and management	Foundation(Biology)	
	37	23	Natural Resource	Foundation(Biology)	
March	38	<i>Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)</i>			

Grade:IX

Subject: Social Science (History)

Month	Ls.No.	Topic	Pg. No.	Date of Completion
April	1	The French Revolution.	3-24	
		Activity 1 : Perform a drama on out break on French Revolution.		
	2	Socialism in Europe and the Russian Revolution.	25-48	
July		Activity 2 : Make a manuscript on tscar Nicholas.		
Unit Test - I				
August	3	Nazism and the Rise of Hitler.	49-74	
		Activity 3 : Describe Hilter rule in brief with the help of picture.		
		Activity 4 : Dialogue writing between Hitler and Gandhiji.		
		Activity 5 : Present information on war and effective with the help of articles.		
September	24	Map Practice : Captain Swing Movement 1830 - 1832.	50	
		Revision		
October	Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)			
November	4	Forest Society and Colonialism.	77-96	
	28	Map Practice : World Cricket and Colonialism.	58	
December		Activity 6 : Make a deforestation model with its effect.		
		Activity 7 : Find out the names of various endangered species OR History of Tigers in India		
		Revision		
January	5	Pastoralists in the Modern World.	97-116	
		Activity 8 : Make a booklet on criminal tribe act.		
	Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)			
February	22	Map Practice : Major pastoral communities.	46	
March	Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also			

Grade: IX

Subject: Geography & Economics

Month	Sr.No.	Ls.No.	Topic	Name of the Book	Pg. No.	Date of Completion
April	1	1	India - Size and Location.	NCERT	1-6	
June	2		Activity 1 : Plot of rivers in map of India.			
	3	1	The story of village Palampur	NCERT Economics	1 - 15	
	4		Activity 1 : Research work - story of success of any one Indian Entrepreneur.			
July	5	2	Physical features of India.	NCERT	7-16	
	6		Activity 2 : Describe Eastern Ghats and Western Ghats in India.			
Unit Test - I						
August	7	3	Drainage	NCERT	17-25	
	8		Activity 3 : Make a powerpoint presentation on drainage system.			
September	9		Revision			
October	10	2	People as Resource	NCERT Economics	16 - 28	
	11		Activity 2 : Comparative analysis of the constitution of south Africa & India			
Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)						
November	12	4	Climate.	NCERT	26-38	
	13		Activity 4 : Show Indian climatic conditions with the help of graphs and charts.			
December	14	3	Poverty as a challenge	NCERT Economics	29 - 41	
January	15	5	Natural vegetation and wildlife.	NCERT	39-47	
	16		Activity 5 : Plot the wildlife of India in different states on Indian map.			
	17		Activity 6 : Make a PPT on Indian vegetation.			
	18	4	Food Security in India	NCERT Economics	42-54	
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)						
February	19	6	Population.	NCERT	48-54	
	20		Activity 7 : Draw a population graph according to the Census survey report of the years 1981, 1991, 2001 and compare them.			
March	21	Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)				

Grade: IX		Subject: Democratic Politics - I		
Month	Ls.No.	Topic	Pg. No.	Date of completion
April	1	What is Democracy?	1 - 17	
		Activity 1 : Enact an act based on one person one vote one value.		
		Why Democracy?		
June		Activity 2 : Collect news paper articles on democracy and it's need.		
July	2	Constitutional Design.	18 - 33	
<i>Unit Test - I</i>				
August		Activity 3 : Presentation on guiding values of Indian Constitution.		
		Activity 4 : Booklet on philosophy of different freedom fighters.		
September	3	Electoral Politics.	34 - 55	
		Activity 5 : Demonstrate voting system in India.		
		Activity 6 : Describe a current day common man .		
October	4	Working of Institutions.	56 - 73	
<i>Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)</i>				
November	5	Democratic Rights.	74 - 83	
December		Activity 7 : Make a collage of different logos of political parties.		
January	5	Democratic Rights.	84 - 100	
<i>Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)</i>				
February		Activity 8 : Write an essay "On Life without Rights".		
March	<i>Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)</i>			

Grade IX		Subject : Artificial Intelligent (KIPS Leaning Pvt.Ltd)			
Month	Sr No	LS.No.	Topic	Pg. No.	Date of Completion
April	1	A.I.1	Communication Cycle	2-6	
	2		Activity 1 : Draw a diagram of communication cycle and write details in the notebook for 150-200 words.		
	3	A.I.2	Various Methods of Communication	7-12	
	4		Activity 2 : Make powerpoint presentation on some common body language errors that one should avoid while communicating. Write details in the notebook for 150-200 words.		
	5	A.I.3	Perspectives in Communication	13-17	
	6	A.I.4	Basic Writing Skills	18-28	
	7	B.I.1	Introduction to AI	125-127	
	8		Activity 3 : Make google search on following smart products. List what they do and which company produce them. a) Chromecast b) Echo Dot c) Harmony Elite d) Nest Hub e) Smart Things. Write details in the notebook for 150-200 words.		
	9	B.I.2	Meaning of Artificial Intelligence	128-130	
	10		Activity 4 : Make google search on 'Phases in Development of Artificial Intelligence'. Write details in the notebook for 150-200 words.		
	11	B.I.3	Types of Artificial Intelligence	131-133	
	12		Activity 5 : What are the real life usage of Artificial Intelligence? Write details in the notebook for 150-200 words.		
	13	B.I.4	Three Domains of Artificial Intelligence	134-136	
	14		Activity 6 : Make google search on five unique software and solution which are related to the domain of artificial intelligence. Write details in the notebook for 150-200 words.		
June	15	A.II.5	Importance of Self-Management	34-40	
	16		Activity 7 : List 'The positive Results of Self-management'. Write details in the notebook for 150-200 words.		
	17	A.II.6	Building Self-Confidence	41-45	
	18		Activity 8 : Write 'Steps to build Self-confidence' in the notebook for 150- 200 words.		
	19	B.I.5	The Relevance of AI in Daily Life	137-142	
	20		Activity 9 : How smart should be your City? List out the different smart initiatives, that you would like to see in your city. These initiative should be made possible using the current technology, and your city must not use them currently. Write details in the notebook in for 150-200 words.		
	21	B.I.6	Using AI to Acheive SDGs	143-146	
	22		Activity 10 : Make google search on 'Sustainable Development Goals' mentioned below. a) Quality Education b) Reduce in equalities c) Life on Earth d) Low Poverty e) Clear water and Sanitation. Write problems under each goal that you think should be addressed for.		
July	23	A.III.7	Introduction to ICT (Information and Communication Technology)	48-51	
	24		Activity 11 : a) Create presentation about tools of ICT. b) 'Digital India initiatives taken by the Government of India'. Write details in the notebook for 150-200 words.		
	25	A.III.8	Components of Computer System	52-56	
	26		Activity 12 : Create Presentation on Components of a computer and various types of primary storage devices in a computer. Write details in the notebook for 150-200 words.		
	27	B.I.7	Application of AI in Various fields	147-151	
	28		Activity 13 : What are the Uses of AI Technology in a Real Life? Write details in the notebook for 150-200 words.		
	29	B.I.8	Ethical Concerns Related to AI Access	152-155	
Unit Test - I					
	30		Activity 14 : List the 'Ethical and Privacy concern related to AI Access'. Write details in the notebook for 150-200 words.		
	31	A.III.9	Peripheral Devices	57-62	
	32		Activity 15 : Create Presentation on various secondary storage devices. Write details in the notebook for 150-200 words.		
	33	A.III.10	Basic Computer Operations	63-66	

August	34		Activity 16 : Create a Presentation on the topic, 'Various types of Operating System'. Write details in the notebook for 150-200 words.		
	35	A.III.11	Operating Systems	67-71	
	36		Activity 17 : Prepare Presentation on the Components of Windows 7 desktop. Write details in the notebook for 150-200 words.		
	37	B.II.1	Introduction to AI Project Cycle	177-183	
	38		Activity 18 : Draw 'AI Project Cycle into four distinct stages along with 11 sub-stages'.Write details in the notebook in 150-200 words.		
	39	B.II.2	Problem Identification	184-185	
	40		Activity 19 : List five questions that can help in identification of the problems for creating AI projects. Write details in the notebook for 150-200 words.		
	41	B.II.3	Steps of Problem Scoping	186-188	
September	42		Activity 20 : Designing of AI projects starts with problem scoping: a) Brainstorm and list down some ethical issues that emerge from the brainstorming. b) Discuss these ethical issues and how they can be reduced. Write details in the notebook for 150-200 words.		
	44	A.III.12	Introduction to Internet	72-74	
	45		Activity 21 : Make google search on list of URLs of e-commerce, education, social networking, news websites. Write details in the notebook for 150-200 words.		
	46	A.III.13	Introduction to E-mail	75-78	
	47		Activity 22 : Make google search to 'Create an E-mail account on www.outlook.com.' Write the steps in the notebook for 150-200 words.		
	48	A.III.14	Introduction to social Media.	79-81	
	49		Activity 23 : Write down the 'Uses of ICT' in respective field : Education, Healthcare, Business, Governance.		
	50	B.II.4	Types of Data	189-196	
	51	B.II.5	Data Visualisation	197-206	
	52		Activity 24 : Make google search on 'Ways to visualise data using Graphical tools.' Write details in the notebook for 150-200 words.		
	53	B.II.6	Data Modelling Methods	207-209	
54		Activity 25 : Create AI Model (Decision Tree) for classifying Handwritten Letters. Write details in the notebook for 150-200 words.			
55	B.II.7	Evaluation and Deployment	210-211		
October	56	A.IV.15	Types of Business Activities	88-96	
	57		Activity 26 : List various types of activities adopted by small businesses in a local community. Write details in the notebook for 150-200 words.		
	58	A.IV.16	Characteristics of Entrepreneurship	97-104	
	59		Activity 27 : Prepare an Presentation on topic, 'The core skills of a successful Entrepreneurship Growth.' Write details in the notebook for 150-200 words.		
	60	B.III.1	Relation between Networks and Human Nervous System	225-226	
	61	B.III.2	Artificial Neural Networks (ANN)	227-229	
	62		Activity 28 : List 'Uses of Artificial Neural Networks'. Write details in the notebook for 150-200 words.		
63	B.III.3	How Neural Networks Learn?	230-231		
	64		Activity 29 : Create Human Neural Network and write the steps in the notebook for 150-200 words.		
	65	A.V.17	Environment Protection and Conservation	107-116	
	66		Activity 30 : Recycle, Reuse and Reduce, is one of the best ways to conserve the natural resources and the environment.Prepare and wite a plan of action based on the 'Three R's' strategy for your home, which can be practised by all the family members.		
	67	A.V.18	Importance of Green Economy	117-121	
	68		Activity 31 : Prepare a poster showing the 'Importance of green economy' with the help of newspaper/magazine cut outs. Write details in the notebook for 150-200 words.		
	69	B.IV.1	Introduction to Python Language	247-257	

Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)

November	70		Programs : a) Write a program to add two numbers. b) Write a program to find the length of string in Python. c) Write a program to accept the strings that contains all vowels. d) Write a program to check if a substring is present in a given string.		
	71	B.IV.2	Practical:Python Basics	258-266	
	72		Programs : a) Write a program that accept three numbers as input and display their sum and product on the screen. b) Write a program to print factorial of number 10. c) Write a program to print addition and subtraction of two arbitrary numbers. d) Write a program to print multiplication and division of two arbitrary numbers. e) Write a program to convert kilometres to miles. f) Write a program to calculate the area of a reactangle with arbitrary values of length and breadth. g) Write a program to convert feet measurement to inches. h) Write a program to calculate the voltage for given values of current and resistance. i) Write a program to read two numbers and print their quotient and remainder.		
December	73	B.IV.3	Practical:Python Lists	267-270	
	74		Programs : a) Write a program to create Python list with three items.Print data types of these items. b) Write a program to create Python list containing first 5 positive even numbers.Display the list elements in descending order. c)Write a program to create Python list containing four integers.Replace the third and fourth item in the list with the product of the last two items and print the list on the screen. d) Write a program to create Python list of six numbers.Replace the second, fourth and sixth number with the cube of the number to its immediate left. e) Write a program that accept three numbers from user, store these numbers in a list and display their product on the screen.		
	75	B	Appendix A1 : Basics of Programming	297-314	
	76		Programs : Create the following Pseudocodes and flowcharts to: a) Write all even numbers between 1 to 100. b) Ask the user for his surname until he types STOP. c) Accept two numbers and tell if they are equal or not. d) Show first 25 multiples of 7. e) Find the cube of any number supplied by the user. f) Show first 100 multiples of a number entered by the user. g) Calculate the factorial of any number given by the user. h) Print sum of first 20 integers. i) Calculate the product of first 10 even numbers. j) Find out if a given number is prime number or not.		
	77	B	Appendix A2 : Frequently used Integrated Development Enviornments (IDEs) for Python	315-318	
	78		Activity 32 : Write down Frequently used Integrated Development Enviornments (IDEs) for Python.		
January	80	B	Appendix A3 : List of Python Keywords	319	
	81		Activity : Make a google search on 'the keywords in Python and the functions they perform'. Write the details in the notebook in 150-200 words.		
	82	B	Appendix A4 : ASCII Chart	320-321	
	83		Program : Write a program to check and print ASCII value for k, 8, V, Cancel, Underscore.		
Unit Test - II (Note : Syllabus of UT I & SE I are also included for UT II)					
	84	B	Appendix A5 : Additional Tasks Python Programming	322-332	

February	85	<p>Programs :</p> <p>a) Write a program to print different values (integer, float, String, Boolean).</p> <p>b) Write a program to check if the given year is a leap year or not.</p> <p>c) Write a program to calculate simple Interest.</p> <p>d) Write a program to largest of three numbers using nested if else.</p> <p>e) Write a program for following pattern:</p> <pre>* ** *** **** *****</pre> <p>f) Design a program using Python 1</p> <pre>22 333 4444 55555</pre>		
March	86	<i>Semester End Exam - II (Note: Syllabus of UT I, SE I & UT II are also included for Final Exam)</i>		

Grade IX

Subject : Physical Education

Month	Sr No.	Event / Activity	Particulars	Date of Completion
April	1	Introduction/Preamble Activity – Sitting exercise.	Rationale, overall objectives of health and P.E., mainstreaming HPE.	
June	2	Four Strands Activity – Free hand exercise	Introduction, The objectives.	
July	3	Strand 1 - Game/Sports Activity - 1 day dedicated to Family Fitness: Creatively using home-based equipment for sports & fitness. E.g. (a) Aluminum foil inside a sock - ball and any wooden piece - bat to play cricket. (b) Mosquito net and T.T. ball to play badminton/tennis	Individual games, adventure sports,	
August	4	Strand 2 - Health and Fitness Activity - Fitness circuit (Draw a ladder on the floor with a chalk piece or crayon).	Exercising regularly & safely for personal well being.	
September	5	Strand 3 - SEWA (Social Empowerment through Work Education and Action) Activity – Mass PT (Standing exercise).	Introduction, objective, The SEWA philosophy, guidelines for students.	
October	6	Strand 4 - Health and Activity Record Activity – Group discussion on advantages of Health exercise.	Collect data & maintain health record.	
<i>Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)</i>				
November	7	Athletics; Team games.	Throwing events, running events, basketball.	
December	8	BMI Healthy Food (Nutrition); Team games Activity - Aerobics.	Strength test, flamingo test, flexibility test, cardiovascular endurance test, speed test.	
January	9	Yoga.	Importance, Yogasanas practice.	
February	10	Revision		
March	11	<i>Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)</i>		

Grade: IX

Subject: Music & Dance

Month	Sr. No.	Song No.	Topic	Category	Date of Completion
April	1	1	God will make a way.	Prayer Song	
	2	2	Show me your ways.	Dance	
	3	3	Raag – Bhimpalasi. Taal - Dadra.	P.P.T & Spl song	
June	4	4	Ek tu hi bharosa.	Prayer Song	
	5	5	Dance Zumba	Dance	
	6	6	Famous Singer.	P.P.T & Spl song	
July	7	7	Bless the lord.	Prayer Song	
	8	8	Aaj Tiranga.	Patriotic song	
	9	9	Hindustani Classical.	P.P.T & Spl song	
August	10	10	Karito prathana.	Prayer Song	
	11	11	Rise India.	Patriotic song	
	12	12	Sargam - geet.	P.P.T & Spl song	
September	13	13	Walking with the Lord.	Prayer Song	
	14	14	Shree Ganesh Deva	Dance	
October	15	15	Khushi ka din.	Patriotic song	
	16	16	Indian musical Instruments.	P.P.T & Spl song	
	17	17	Suno ghanti baji.	Dance	
	18	18	Mere desh ki dharti.	Patriotic song	
	19	19	Indian Traditional Folk Songs.	P.P.T & Spl song	
<i>Semester End Exam - I (Note : Syllabus of UT I is also included for SE I)</i>					
December	20	20	Aye malik tere bande.	Prayer Song	
	21	21	Suno gaur se duniawalo	Dance	
	22	22	North Indian musical Instruments.	P.P.T & Spl song	
	23	23	Desh Rangeela	Dance	
	24	24	Hum honge kamyab.	Patriotic song	
	25	25	Music videos Vocal.	P.P.T & Spl song	
February	26	26	Tu hai prabhu.	Prayer Song	
	27	27	Dance Practice	Dance	
March	28	<i>Semester End Exam - II (Note : Syllabus of UT I, SE I & UT II are also included for Final Exam)</i>			