

SYLLABUS (SESSION 2016-17)
CLASS XII
ENGLISH
FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	<ul style="list-style-type: none"> Classified Adv: Business Proposal, Coaching available, Change of name, Travel & Tours, Obituary / In Memoriam My Mother at Sixty Six (poem) Notice writing, Letter: Job application 	<ul style="list-style-type: none"> The last lesson Lost spring Keeping quiet Unseen passage (i) Prose (ii) poetry Note Making Speech writing 	<ul style="list-style-type: none"> Aunt Jennifer's Tigers The Rattrap The Invisible Man (Chap. I to V) Letter Writing Making: Enquiry & Giving a reply to the Enquiry. 	<ul style="list-style-type: none"> The Tiger King Letter to the Editor Should Wizard Hit Mommy Indigo The Invisible Man (Chap. VI to X) Article Writing 	<ul style="list-style-type: none"> The Invisible Man (Chap. XI to XV) Memories of Childhood Letter: Placing & Cancellation of order. 	<ul style="list-style-type: none"> The Enemy Complaint letter Formal and Informal Invitation Reply to formal & informal invitation. Debate Writing
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	<ul style="list-style-type: none"> Article writing The Invisible Man (Chap XVI to XX) Posters Display Advertisements 	Revision Work				

DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
01/04/2016 TO	Classified Adv: Business Proposal, Coaching available, Change of name,	Reading classified Adv. From newspapers, pasting it in copies; use of smart boards;	Intensive written practice, standardized paper & pen test.

13/04/2016	<p>Travel & Tours, Obituary / In Memoriam</p> <ul style="list-style-type: none"> • My Mother at Sixty Six (poem) • Notice writing, • Letter: Job application 	<p>emphasizing on Format.</p> <ul style="list-style-type: none"> • Poetry recital& relating to own self. • Analyze creative writing ability. • White board Explanation formats re-emphasized. • Use of Smart board (all topics) 	<ul style="list-style-type: none"> • Attempting oral & written ref. to context & short questions. • Standardized Paper & Pen Test • Analyzing creative ability to absorb verbal input. Were the value points correct?
18/04/2016 TO 30/04/2016	<ul style="list-style-type: none"> • The last lesson • Lost spring • Keeping quiet • Unseen passage (i) Prose (ii) poetry • Note Making • Speech writing 	<ul style="list-style-type: none"> • Silent & loud reading, explanation. • Reading & comprehending value points. • Poetic devices highlighted with adequate paraphrasing. • Give Photostat passages to test comprehension, interpretation & inference. • Photostat passages (400-500 words) distributed format explained, style told. 	<ul style="list-style-type: none"> • Is the reading clear & audible, discussion on value based questions? • Written long & short question with value pts. • Attempting oral & written ref to context and short questions. • Giving questions for short answers or MCQ questions to test analyzing ability. • Use of smart boards for explanation & written work in copies.
02/05/2016 TO 18/05/2016	<ul style="list-style-type: none"> • Aunt Jennifer's Tigers • The Rattrap • The Invisible Man (Chap. I to V) • Letter writing; making Enquiry & Giving a reply to the Enquiry. 	<ul style="list-style-type: none"> • Recital, paraphrasing & explanation of symbols & images used • Reading with correct pronunciation intonation and giving meanings. • Surf net & find about HG Wells, Part of the movie on Smart Board. • Teaching format& usage of value points on white board with marking scheme. 	<ul style="list-style-type: none"> • Short Ques. & Ref. to Context. • To Check if students focused; standardized test. • Value pts summarized, thematic content questions explained. • Written work, value points given, was the format followed. • Overview with smart board
01/07/2016 TO 16/07/2016	<ul style="list-style-type: none"> • The Tiger King • Letter to the Editor • Speech writing • Should wizard Hit Mommy • Indigo • The Invisible Man (Chap. VI to X) 	<ul style="list-style-type: none"> • Reading & comprehending the satire & irony. • Discussion on verbal inputs & re-emphasizing formats. • Explanation on white board of format; reading of famous speeches on smart board • Reading and comprehending the text. • Reading & comprehending factual details • Reading & summarizing, group discussion o of various anecdotes. • Discussion & use of smart board 	<ul style="list-style-type: none"> • Standardized paper & pen test. • To test creative writing ability & language power. • Knows the format, descriptive & creativity ability checked. • Oral class test on prose; written ques. test global comprehension. • Standardized test. • Making a PPT presentation. • Paper & pen work

18/07/2016 TO 30/07/2016	<ul style="list-style-type: none"> The Invisible Man (Chap. XI to XV) Memories of Childhood Letter: Placing & Cancellation of order. 	<ul style="list-style-type: none"> Reading, summarizing, vocabulary explanation. Reading & emphasizing autobiographical element. Teaching on white Board with Marker 	<ul style="list-style-type: none"> Has the learner understood thematic content? Standardized pen & paper test. Written work, value points given, was the format followed.
01/08/2016 TO 13/08/2016	<ul style="list-style-type: none"> The Enemy Complaint letter Formal and Informal invitation Reply to formal & informal invitation. Debate writing 	<ul style="list-style-type: none"> Reading with correct pronunciation and intonation. White board explanation, format re-emphasized oral discussion of value points, language enrichment. Pasting of formal invitation cards & giving rules to write invitations & replies. Honing Creative skills 	<ul style="list-style-type: none"> Value based ques. to check ability to comprehend. Analyzing creative writing power ability to absorb verbal input. Proper font & spacing, creative detailed writing ability, accuracy of value points. To test creative ability & language power.
16/08/2016 TO 31/08/2016	<ul style="list-style-type: none"> Article writing The Invisible Man (Chap XVI to XX) Posters Display Advertisements 	<ul style="list-style-type: none"> Discussion on verbal inputs & re-emphasizing format. Reading, summarizing, vocabulary explanation. Develop presentation skills. Presenting creativity & articulation skills. 	<ul style="list-style-type: none"> To test creative & descriptive ability & language power. Has the learner understood thematic content Aesthetic presentation with visuals & illustration.
01/09/2016 TO 14/09/2016	Revision Work	<ul style="list-style-type: none"> Combination of all techniques like worksheets. Lectures discussions, Ques& Ans. Method 	<ul style="list-style-type: none"> Oral Test, Pen & Paper Standardized test.
	<ul style="list-style-type: none"> First Term Examination 		

SECOND TERM 2016-17

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
<ul style="list-style-type: none"> Deep Water Going Places 	<ul style="list-style-type: none"> A Thing of Beauty An Elementary School Classroom In a Slum 	<ul style="list-style-type: none"> Debate / speech / article writing Evans Tries an O-level 	<ul style="list-style-type: none"> On the face of it. Epilogue 	<ul style="list-style-type: none"> Discussion of ques and ans. from the novel Value based ques 	Revision Note making, Letters, Reference to context and short questions

Novel: Invisible Man (Chap. XXI to XXIV)	<ul style="list-style-type: none"> Novel: Invisible Man (Chap. XXV to XXVIII) Letter: Asking for and giving information. 	<ul style="list-style-type: none"> Letter to school authorities 		on chapters to be done	
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SECOND TERM			
28/09/2016 TO 15/10/2016	<ul style="list-style-type: none"> Deep Water Going Places Novel: Invisible Man (Chap. XXI to XXIV) 	<ul style="list-style-type: none"> Develop ability to comprehend value points & become familiar with plot & incidents. 	<ul style="list-style-type: none"> Has the learner understood the theme & content & can present written answers aesthetically
17/10/2016 TO 28/10/2016	<ul style="list-style-type: none"> A Thing of Beauty An Elementary School Classroom In a Slum Novel: Invisible Man (Chap. XXV to XXVIII) Letter: Asking for and giving information. 	<ul style="list-style-type: none"> Recital with clarity correct diction & grasping academic content. Learn to tackle assignments independently. Language enrichment consequent upon the usage of idiomatic expressions. 	<ul style="list-style-type: none"> Ideas & value pts. in written assignments; be cohesive, symbolism highlighted for better understanding. Give boost to creative power of imagination & expression. Appraisal of class/home task & note books.
02/11/2016 TO 16/11/2016	<ul style="list-style-type: none"> Debate / speech / article writing Evans Tries an O-level Letter to school authorities 	<ul style="list-style-type: none"> Develop ability to write correct format & value pts. To become familiar with plots & incidents. Re-emphasizing format & clarity in value points. 	<ul style="list-style-type: none"> Written presentation skills to be evolved. Has the learner understood theme & content, can present written answers. Cohesive written expression
17/11/2016 TO 30/11/2016	<ul style="list-style-type: none"> On the face of it. Epilogue 	<ul style="list-style-type: none"> Effective reading with correct pronunciation Ideas, value points & plot explained 	<ul style="list-style-type: none"> Standardized oral, Pen & Paper Test. To show the movie on smart Board.
1/12/2016 TO 15/12/2016	<p>Discussion of ques and ans. from the novel</p> <p>Value based ques on chapters to be done</p>	<ul style="list-style-type: none"> Plot incidents and thematic content explained explicitly To become familiar with value points 	<ul style="list-style-type: none"> Learn to tackle written assignments Has the learner understood thematic contents and has cohesive written expression

16/12/2016 TO 22/12/2016	Revision Note making, Letters, Reference to context and short questions	<ul style="list-style-type: none"> Combination of all techniques-explanation, discussion, smart board and white board 	<ul style="list-style-type: none"> Standardized oral, pen and paper test
	<ul style="list-style-type: none"> PRE Board Examination 		

FIRST TERM PLANNER 2016-17			
HINDI CLASS-XII			
1-04-2016 To 13-04-2016	2-05-2016 To 18-05-2016	18-07-2016 To 30-07-2016	16-08-2016 To 31-08-2016
जयशंकरप्रसाद-कार्नेलियाकागीत, देवसेनाकागीत, पत्र, निबंध, प्रेमधन की छाया-स्मृतिअपठितगद्यांश-पद्यांश।	पत्र निबंध, कविताकैसेबनतीहै, नाटक की विधाएँ, यह दीपअकेला, सुमिरिनी के मनके, कच्चाचिह्नाए एक बूँद।	विशेशलेखन, स्वरूपऔरप्रकारअपठितगद्यांश-पद्यांश, पत्र, निबंध, मैंने देखा एक बूँद।	पत्रकारीय लेखन के विभिन्न रूप, लघु-प्रश्नउत्तर, लेखन-प्रक्रिया।
18-4-2016 To 30-04-2016	01-7-2016 To 16-07-2016	1-8-2016 To 13-08-2016	01-09-2016 To 14-09-2016
जनसंचारमाध्यम-मुद्रण, रेडियो, टी.वी.इंटरनेट, पत्र, अपठितगद्यांश, सूर्यकांतत्रिपाठीनिराला-गीतगानेदोमुझे सरोज-स्मृति, तुलसीदास	विशेष-लेखन, पत्र अपठितपद्यांश, निबंध जायसी पद, भरतबारहामासा, संवदिया।	सूरदस की झोपड़ी, पत्र-रोजगारसंबंधीअपठितगद्यांशनिबंध। सूरदास की झोपड़ीप्रश्नउत्तर।	REVISION लिखितपरीक्षा
			First Term Examination

TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
Activities: 1. तुलसीदास की कविता (Writing on A4 sheet) दोहों के बारेमेंजानकारी, एक भिती पत्रिका(चित्र सचिंता) पाठयक्रमसेहटकरकवियों की कविताएँ पढ़करसुनाएँ 4. स्वतंत्रता-सैनानी (महिलाएँ) (Project) अधिगमपरिणाम-छात्रोंको स्वतंत्रता-सेनानियों के बारेमेंजानकारीदेना। पदों के चुनाव की क्षमता, कविताएँ औरकहानीकैसेलिखीजातीहै, लेखकों की कहानियाँ पढ़कर	स्वतंत्रतासैनानीमहिलाएँ- Test तुलसीदास के चित्रोंकास्वयंसंग्रहकरना, भाषागत योग्यता, चार्टस्वयंनिर्मितअथवा नही उच्चारण क्षमताकापरीक्षण, कार्यउत्तम या अधम। 1. भाषासरल एवंसुबोध है। 2. भाषामेंसंगीतात्मकताकागुणविद्यमानहै। 3. भाषाप्रभावपूर्ण एवंप्रवाहमय है। जीवन संबंधीविषयोंकाज्ञानप्राप्तकरनेहेतुपुस्तकोंकाचयन।

कक्षामेंसुनाए।	
<p>किर्यात्मककार्य— Standardised Test अपठितगद्यांश—पद्यांशभक्तिरससेसंबंधित पद, कवि—जीवन—साहित्य, परिचय, अधिगमपरिणाम—कविताओं के प्रतिलगाव, अपठितगद्यांश—पद्यांश, पत्र लेखन, निबंध लेखन।</p>	3. भाषामें छंद—सवैयाकाप्रयोग।लेखन—परीक्षण, भाषा—सरल एवंसुबोध है। त्रुटियोंकापरीक्षावत्सम—तत्त्वव शैलीकाप्रयोग।
<p>कक्षाकार्यतथागृहकार्यसभीछात्रों के लिए अनिवार्य, गरीबी—अनुच्छेद। (Writing in copy) समय परकार्य—करने के लिए प्रेरितकरना, लेख सुधारने के लिए प्रेरितकरना, समय परकार्यकरने के लिए प्रेरितकरना।</p>	विचारात्मक शैलीअपनाईगईहै, पाठसेसंबंधितअन्य उदाहरणों द्वाराजानकारी, चित्रात्मक शैलीकाअनुसरणकियागयाहै, विषय—वस्तु की पूर्णजानकारीलिखितपरीक्षा।लिखितसामग्रीकापरीक्षण।भाषा के नियमोंकापालन।
<p>Standardised Test अपठितगद्यांश—पद्यांश, पत्र—लेखन, निबंध लेखन, जनसंचारमाध्यम—टेलिविजनरेडियो।</p>	लिखितपरीक्षा। 7. अनुप्रास, तत्सम शब्दप्रधानभाषाकाप्रयोगहुआहै।भाषाप्रवाहपूर्णहै, त्रुटियोंकापरीक्षण, विषय—वस्तु की पूर्णजानकारी।
<p>कक्षा—कार्यऔरगृहकार्य, टेलिविजनन्यूजकिन—किनचरणोंसेहोकरगुजरतेहै। पोस्टर— स्वतंत्रतासेनानियों (महिलाएँ) रानी लक्ष्मीबाई, नायडूआदि की पिक्चरऔरपोस्टर के साथइतिहासऔर जीवन प्रसंगलिखवाए गए।छात्राओं ने स्वयंनिर्मितकिए हैं या पुस्तकोकाज्ञानहै।</p>	8. रस—संयोग—वियोगश्रृंगाररसकाप्रयोग।पुस्तकीय ज्ञानअथवास्वयंनिर्मितभाषाब्रजलीगईहै। 9. पाठसेसंबंधितअन्य उदाहरणों द्वाराजानकारीदेना, भाषागत—योजना, त्रुटियोंकाप्रयोग, लिखितपरीक्षा।
<p>नाटक की विधाएँ— Standardised Test निबंध कैसेतैयारकिए जातेहै, सबसेप्रसिद्ध नाटक‘नुक्कड़’ कोक्यामहत्वहै, हिन्दी—साहित्य मेंनाटको की क्याविशेषताहै।</p>	10. छंद—सवैया। 11. कवितामेंचित्रात्मकताहै। 12. भाषाहिन्दी खड़ीबोलीहै। 13. भाषासरल एवंसुबोध है।
<p>Internet Project-ओलंपिकगेम्स। Global warming-(वैश्विककरण) भारत ने ओलंपिकगेम्सकोजिम्मेदारीसेनिभाया।हरदेश ने प्रशंसा की कब औरकैसे शुरू किए गए गेम्स, वैश्वीकरण ने भारतही नहीं अमेरिका यूरोप एशियाकोप्रभावितकिया (प्रोजेक्ट)</p>	14. लेखक के साहित्य के स्वरूप की स्पष्टीकरणकियागयाहै।इंटरनेटकाप्रयोगकरना।उत्तरपुस्तिकामेंचित्रोंद्वारामहिलाओंकीपहचान, लिखितपरीक्षा त्रुटियों की पहचान।

SECOND TERM PLANNER 2016-17	
CLASS-XII HINDI	
28-09-2016 To 15-10-2016	02-11-2016 To 16-11-2016
बनारस, केदारनाथ सिंह, दिशा, जीवन-साहित्य, अपठितगद्यांश-पद्यांश, निबंध, पत्र, पत्रकारीय लेखनऔरस्वरूप, शेर, चारहाथ, पहचान, सांझा।	वसंतआय-रघुबीरसहाय।तोड़ो, केशवदास, घनानंद, यथास्मैरोचतेविश्वते, दूसरादेवदास, कुटज, आरोहण, खारुजडाऊसम्यता, अपनामालवा, नाटक की विधाएँ नाटक के तत्व, निबंध, पत्र, रोजगारसंबंधी, अपठितगद्यांश। पत्रकारसंपादक।
17-10-2016 To 28-10-2016	17-11-2016 To 30-11-2016
एक कम, सत्य-विष्णुखरे, प्रश्न, उत्तर, जीवन-साहित्य-कविऔरलेखक।विद्यापति, जहाँ कोईवापसीनहीं, कविताऔरकहानीकाउद्देश्य, लक्ष्य, नाटक की विधाएँ, लघुप्रश्न, उत्तर।	Revision-नाटकलिखने की विद्याएँ, तत्व, कहानीकैसेबनतीहै।कविताकैसेलिखीजातीहै।नयेऔरअप्रतयाशितलेखन, लघु-प्रश्न,उत्तर, साक्षात्कार।

TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
Project-मेट्रोरेलकीदिल्लीमें शुरुआत।(With pics) मेट्रोरेल की शुरुआततस्वरोँऔर दृश्यों के साथप्रोजेक्टबनायागया।मेट्रो की शुरुआत कब औरकिसनेकीपूरीजानकारीदीगई।	छंद-चौपाईदोहा।भाषाअवधीकाप्रयोग, दृश्य बिंब ध्वनिबिंब एवंगंध बिंब की सुंदर योजनाहुईहै।कवितामेंभाव-सौन्दर्यआगयाहै।
गृह-कार्यऔर कक्षा के कार्यमेंनिबंध के रूप मेंदिल्लीमें 'मेरीमेट्रोमेरी शान' के रूप मेंStandardise Test परीक्षालीगई। त्रुटियोंपर खास ध्यानदियागया, रोजगारसंबंधी पत्रोंकोकैसेलिखाजाताहै।अभ्यासकरायागया। लिखितपरीक्षा।	भाषासरल एवंप्रवाहमयीहै, छंद-चौपाई-दोहाकाप्रयोगहै।रसवियोगश्रृंगार, लिखित-परीक्षा, त्रुटियोंकाविशेष ध्यानदियागया।विशेष-ध्यानथाकिछात्र स्वयंनिर्मितकरे।
Project-टी.वी.जनसंचार के चरण।ब्रेकिंगन्यूज़।लाइव(With pics) एंका, एकरबाईट।इंटरनेटकीसाईट, न्यूज़ पेपर की साईट की परीक्षा।	सरल एवंसुबोध भाषाकाप्रयोगकियागयाहै। शब्द-चयनसटीकहै।लिखितपरीक्षा। त्रुटियोंपर खास ध्यानदियागया।
ईंगलिशऔरहिन्दी के न्यूज़पेपर के नामऔर किन-2 पेपर की अपनीसाईटहै।लिखिए। Standardise Test मुद्रण- (Printing Press) Internet-इंटरनेट की खूबियाँ, कमियाँ छात्रोंको समझाईगई।प्रीटिंगप्रेसजनसंचारमाध्यम कामहत्व, विशेषताओं की लिखितपरीक्षा	खोजीरिपोर्टऔर रिपोर्ट। फीचर। रेडियो/न्यूज़। एंकर। टी.वी.न्यूज़। साक्षात्कारकीजिए।

MATHEMATICS

FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	INVERSE TRIGNOMETRIC FUCTIONS:	CONTINUITY AND DIFFERENTIABILITY	APPLICATION OF DERIVATIES:	INTEGRALS:	SPECIAL INTEGRALS	DEFINITE INTEGRALS:
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	APPLICATION OF INTEGRALS:	DIFFERENTIAL EQUATION:				

DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
01/04/2016 To 13/04/2016	INVERSE TRIGNOMETRIC FUCTIONS: Definition, range, domain, principal value branches. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions.	-Judgment of previous knowledge of student to trigonometry -graphs of trigonometric and inverse trigonometric functions. -worksheets and assignments.	-Does the child exhibit in depth knowledge while solving the questions? -judging worksheets and assignments of students.
18/04/2016 To 30/04/2016	CONTINUITY AND DIFFERENTIABILITY Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric , implicit ,exponential logarithmic and exponential functions. Second order derivatives, Rolle's and Lagrange's mean value theorems and their geometric interpretations.	-explanation of topic with formulae -complicated questions with the help of graphical analysis -question –answers -written and oral tests	-is the child able to understand the topic (Yes/No) -has the concept being clear in his/her mind (Yes/No) - standardized test
02/05/16 To 18/05/16	APPLICATION OF DERIVATIES: Rate of change of quantities, increasing/decreasing functions, tangents and normals, use of derivatives in approximation.	-relating to common life problems/issues -diagramatic representation of curves -pen and paper test -value based questions	-does the child posses understanding the knowledge to solve the problem questions(Yes/N0) -is the child able to interpret the effect of

	Maxima and Minima (using first and second derivative test)		changes with indepth knowledge(Yes/No)
01/07/2016 To 16/07/2016	<p>INTEGRALS: Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts</p> <p>Special integrals in the form of $\int dx/x^2 \pm a^2$,</p>	<p>-introduction to the topic -explaining the formulae with the easy method of writing and remembering it. -open and closed book test -written assignment -using suitable examples explaining all the special integral formulae -formulae list for special integral as hand-outs -giving indepth knowledge to the student for implication of formulae -oral test -written assignments</p>	<p>-understanding of concept in answering the assignment -accuracy in answering the questions -judging the oral answers for the understanding of the topic -is the child able to reproduce the formulae -pen and paper test -judging worksheets and assignment of students.</p>
18/07/2016 To 30/07/2016	<p>SPECIAL INTEGRALS: $\int dx/\sqrt{x^2 + a^2}$, $\int dx/\sqrt{a^2 - x^2}$, $\int dx/ax^2+bx+c$, $\int dx/\sqrt{ax^2 + bx + c}$, $\int ((px+q)/ax^2+bx+c)dx$, $\int ((px+q)/\sqrt{ax^2 + bx + c})dx$, $\int \sqrt{a^2 + x^2}dx$, $\int \sqrt{x^2 - a^2} dx$, $\int \sqrt{ax^2 + bx + c} dx$, $\int ((px + q)\sqrt{ax^2 + bx + c}) dx$</p>	<p>-explaining the formulae with the easy method of writing and remembering it. -open and closed book test -written assignment -using suitable examples explaining all the special integral formulae -formulae list for special integral as hand-outs -giving indepth knowledge to the student for implication of formulae -oral test -written assignments</p> <p>-finding areas of different figures algebraically and correlating them with integrals. -giving indepth knowledge to the student for</p>	<p>-standardized test -is the child able to relate algebraic and integrals -accuracy and answering the value based questions -Does the child able to solve HOTS</p>

		the topic by giving many examples -worksheets	
01/08/2016 To 13/08/2016	DEFINITE INTEGRALS: Definite integrals as a limit of sum, Fundamental theorem of calculus(without proof) Basic properties of definite integrals and evaluation of definite integrals.	algebraically and correlating them with integrals. -giving indepth knowledge to the student for the topic by giving many examples -worksheets -judgment of previous knowledge of student related to the definite integrals -explaining different curves and their standard forms with the help of graphs	-giving and asking to make graphs of different standard curves -taking standardized test
16/08/2016 To 31/08/2016	APPLICATION OF INTEGRALS: Application in finding the area under simple curves, especially lines, areas of circles/parabolas/ellipses (in standard form only), area between the two above said curves(the region should be clearly identifiable).	-finding areas of different figures -written assignment -judgment of previous knowledge of student related to the definite integrals -explaining different curves and their standard forms with the help of graphs	-judging the worksheets and assignments -is the child able to apply his/her knowledge while answering question related to the topic
01/09/2016 To 14/09/2016	DIFFERENTIAL EQUATION: Definition, order and degree, general and particular solutions of a differential equation whose general solution is given. Solution of differential equations by method of separation of variables, homogeneous differential equations of first order and first degree. Solutions of linear equation of the type: $dy/dx + py = q$, where p and q are functions of x. $dx/dy + px = q$, where p and q are functions of y or constant.	-introduction to differential equations with the help of derivatives. -use of examples for explaining different terms used in this topic -written assignment -question/answer method	-Discussion of mistakes in the class room
FIRST TERMINAL EXAMINATION			

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
VECTORS:	LINEAR PROGRAMMING:	THREE DIMENSIONAL GEOMETRY:	PROBABILITY :	RELATIONS AND FUNCTIONS:	Revision

29/09/2016 To 15/10/2016	<p>VECTORS: Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of vectors. Types of vectors(equal, unit zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Scalar (dot) product of vectors, projection of a vector on a line. Vector (cross) product of vectors. Scalar triple product of vectors.</p>	<ul style="list-style-type: none"> -explaining different terms related to the topic with examples -complicated questions based on vectors -open and closed book test 	<ul style="list-style-type: none"> -accuracy in answering the questions -understanding of concepts to answer HOTS -standardized test
17/10/2016 To 28/10/2016	<p>LINEAR PROGRAMMING: Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming(L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions(up to three non-trivial constraints).</p>	<ul style="list-style-type: none"> -judging the previous knowledge of graphs of linear inequations -numerical problems, value based question -paper and pen test -assignment 	<ul style="list-style-type: none"> -is the child able to understand the topic (Yes/No) -is the child able to apply his knowledge while answering the questions related to the topic (Yes/No) -judging their answers

<p>02/11/2016 To 16/11/2016</p>	<p>THREE DIMENSIONAL GEOMETRY: Direction cosines and direction ratios of a line joining two points. Cartesian and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane.</p>	<p>-paper and pen test -assignment -explaining different terms of three dimensional geometry with the help of graphs and models</p>	<p>-is the child able to answer the questions correctly (Yes/No) -accuracy in solving the questions -judging the worksheets and assignments -standardized test</p>
<p>17/11/2016 To 30/11/2016</p>	<p>PROBABILITY: Conditional probability, multiplication theorem on probability, independent events, total probability. Baye's theorem, Random variable and its probability distribution, mean and variance of random variable. Repeated independent (Bernoulli) trials and Binomial distribution.</p>	<p>-explaining the different terms relating to the topic probability. -giving indepth knowledge to the student for the Baye's theorem. -relating conditional and Baye's theorem</p>	<p>-standardized test -quizzing -giving and asking small questions for the child to judge his/her understanding related to the topic</p>
<p>1/12/2016 To 15/12/2016</p>	<p>RELATIONS AND FUNCTIONS: Types of relations : Reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of a function. Binary operations.</p>	<p>-explaining the concept of domain and range of different functions -written assignments</p>	<p>standardized test -quizzing -giving and asking small questions for the child to judge his/her understanding related to the topic</p>
<p>16/12/2016 To 22/12/2016</p>	<p>Revision LINEAR PROGRAMMING RELATIONS AND FUNCTIONS PROBABILITY THREE DIMENSIONAL GEOMETRY VECTORS</p>	<p>written assignments</p>	<p>standardized test</p>

ACCOUNTANCY

FIRST TERM

1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16-18.5.16	1.7.16-16.7.16	18.7.16-30.7.16	1.8.16-13.8.16
Book Analysis of financial statement(Second Book) Ch-1- Financial Statement of Company	Ch-2- Financial Statement Analysis Ch-3- Comparative Statement and Common Size Statement	Ch-4- Ratio Ch-5-Cash Flow Statement	Chapter- Company Shares	Chapter- Issue of Debentures	Chapter- Redemption Of Debentures
16.8.16-31.8.16	1.9.16- 14.9.16				
Chapter- Change in Profit Sharing Ratio Chapter- Valuation of Goodwill	REVISION				

DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
01/04/2016 To 13/04/2016	Book Analysis of financial statement(Second Book)	Written Assignment. Explanation of all terms of concerned topics with examples Use of shortcut methods to make the students learn balance sheet schedule-VI	Is the child able to understand all terms. (YES/NO). Are the students able to learn all terms of balance sheet in chronological order? (YES/NO) Oral Test

	Ch-1- Financial Statement of Company	Audio visual aids through cds and pandrive	
18/04/2016 TO 30/04/2016	Ch-2- Financial Statement Analysis Ch-3- Comparative Statement and Common Size Statement	Judgement of previous knowledge of student related to final accounts and relations it with the current topic. Explanation of format of Comparative Statement and Common Size Statement and give written assignment. Use of worksheets and assignments drilling students to avoid cuttings and overwriting while answering questions. Worksheet through cds and pandrive	Is the child able to relate his/her previous knowledge with current topic? (YES/NO) Is the child able to draw proper format? (YES/NO) Collection and correction of solved worksheets and assignments
02/05/2016 TO 18/05/2016	Ch-4- Ratio Ch-5- Cash Flow Statement	Explanation of different types of Ratio and their implications. Formulae, List of Ratios given to students through handouts. Giving in depth knowledge to the students for implication of formulae. Written assignment Meaning of different items in Cash Flow Statement explained through lecture and discussion method. Use of examples for explaining certain terms. Explanation of format of Cash Flow Statement on Black Board Audio visual aids through cds and pandrive	MCQ's To judge his/her understanding related to the concerned topic. Conducting viva to know the formulae from students. Standardized test. Has the issue been reached well? (YES/NO) Is the child able to relate examples with the technical terms (YES/NO) Is the child able to draw neat format for Cash Flow Statement and solve the questions? (YES/NO) Pen & Paper Test
	SUMMER VACATIONS PROJECT WORK	Preparation of Project on the basis of discussion and display method. Providing reference of last year projects to students to get a base line for making project. Worksheet through cds and pandrive	Is the student able to his/her project in a creative manner? (YES/NO) Has the child put forth any visuals i.e. diagrams, graphs, newspaper cutouts etc. while presenting project. (YES/NO)

		Direct method of cash flow and PER, ICR explain to student	
01/07/2016 TO 16/07/2016	Chapter - Company Shares	Judgement of previous knowledge of students related to the concerned topic. Explanation of topic- Types of shares, their implication and treatment. Journal Entries related to issue of shares on different basis explained through lecture and discussion method. Complicated questions based on treatment of shares and their implication explained to the students. Forfeiture and re-issue of shares meaning and treatment explained through Journal Entries. Question-Answer method, Written Assignments Audio visual aids through cds and pandrive	Is the child able to relate his/her previous knowledge with current topic?(YES/NO) Analyzing and synthesizing of the answers. Does the child participate in discussion? (YES?NO) Is the child able to understand the topic? (YES?NO) Is the child able to apply his knowledge while answering questions related to the topic? (YES?NO) Judging worksheets and assignments of students.
18/07/2016 TO 30/07/2016	Chapter- Issue of Debentures	Judging previous knowledge of students related to debentures and difference between shares and debentures. Treatment of debentures in different market situations explained through Journal Entries. Worksheet. Worksheet through cds and pandrive	Is the child able to relate his/her previous knowledge with current topic?(YES/NO) Is the child able to pass correct journal entries under different market conditions as explained? (YES/NO) Correction of worksheet solved by students.
1/08/2016 TO 13/08/2016	Chapter- Redemption Of Debentures	Meaning of redemption explained to the students. All cases of Redemption explained to the students by giving journal entries black board. Worksheets and assignments. Audio visual aids through cds and pandrive	Is the child able to understand the topic? (YES?NO) Is the child able to apply his knowledge while answering questions related to the topic?(YES/NO) Judging worksheets and assignments of students.
16/08/2016 TO 31/08/2016	Chapter- Change in Profit Sharing Ratio Chapter- Valuation of Goodwill	List of formulae given as handouts. Written Assignments. Worksheet through cds and pandrive Different methods of valuation of Goodwill	Judging knowledge of students through tests. Asking questions from students based on valuation of Goodwill and judging their understanding. Collection and correction of worksheet solved by

		explained to the students. Worksheets and Handouts. Audio visual aids through cds and pandrive	students.
01/09/2016 TO 14/09/2016	REVISION	Combination of all techniques like worksheets, handout, lecture and discussion method, Question/ Answer method	Oral Test and Pen Paper Test.
FIRST TERMINAL EXAMINATION STANDARDIZED TEST			

ACCOUNTANCY

SECOND TERM

28.9.16- 15.10.16	17.10.16 -28.10.16	2.11.16- 16.11.16	17.11.16- 30.11.16	01.12.16-15.12.16
Chapter- Partnership Fundamentals	Chapter- Admission	Chapter- Retirement and Death	Chapter- Dissolution	Chapter- Dissolution (Continued)
16.12.16- 22.12.16				
Revision & Project work				

28/09/2016 TO 15/10/2016	Chapter- Partnership Fundamentals	Judging previous knowledge of students related to the partnership and type of partners. Question – Answer method. Worksheet through cds and pandrive	Is child able to relate his/her knowledge to the concerned topic? (YES/NO) Is child able to answer the questions? (YES/NO)
17/10/2016 TO 28/10/2016	Chapter- Admission	Treatment of Goodwill at the time of admission explained through journal entries. Discussion Method. Written Assignment.	Does the child possess undertaking skill while explaining treatment of Goodwill? (YES/NO) Is He/She able to take part in discussion?(YES/NO)

		Audio visual aids through cds and pandrive	
02/11/2016 TO 16/11/2016	Chapter- Retirement and Death	Retirement meaning and its effect on partnership explained through lecture and question-answer method. Treatment of Goodwill at the time of retirement and its cases explained with formulae and journal entries. Written assignments and worksheets. Group Discussion	Is the child able to answer the questions correctly? (YES/NO) Is the child able to express his/her opinion confidently?(YES?NO) Analyzing and synthesizing of the answers. (GOOD/AVERAGE) Correction of assignments. Does the child show his/her leadership skills and takes criticism positively during the discussion?(YES/NO) Oral and Pen Paper Test
17/11/2016 TO 30/11/2016	Chapter- Dissolution	Treatment of Goodwill and partner at the time of dissolution. Audio visual aids through cds and pandrive Group Discussion	Is the child able to answer the questions correctly. Oral pen, paper test
1/12/2016 TO 15/12/2016	Chapter- Dissolution (continued)	Preparation of Realisation A/c and Memorandum Balance sheet	
16/12/2016 To 22/12/2016	REVISION & PROJECT WORK	Combination of all techniques like worksheets, handout, lecture and discussion method, Question/ Answer method	Standardized Test, Oral Test & Pen Paper Test

BIOLOGY

FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	Reproduction in organisms. Asexual reproduction	Human reproduction	Reproductive Health	Genetics and Evolution Principles of Inheritance and variation	Molecular Basis of Inheritance Evolution	Molecular Basis of Inheritance Evolution

	.reproduction in flowering plants					
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	Microbes in Human Welfare Biotechnology: Principles and Processes	Ecology organism and Populations				

DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
01/04/2016 To 13/04/2016	Reproduction in organisms. Asexual reproduction .reproduction in flowering plants	Expl.of asexual and sexual reproduction slides to be shown diagrams drawn. Practical to be conducted based on theory Ques/Ans from text.	Study of parts of a flower to shown the male and female reproductive parts to the learner
18/04/2016 TO 30/04/2016	Human reproduction	T.S of tests and ovary to be shown to explain structures of ovaries and test	Weekly test to be conducted
02/05/2016 TO 18/05/2016	Reproductive Health	Practical observations of slides and diagrams	Charts of male and female reproductive system to be shown to familiarize the students will anatomy
<u>SUMMER VACATION</u>			
01/07/2016 TO 16/07/2016	Genetics and Evolution Principles of Inheritance and variation	Mendel's Laws to be explained by solving to mono and dihybird crosses.	Analytical skills of students to be developed Problem solving ability to be tested

18/07/2016 TO 30/07/2016	Molecular Basis of Inheritance Evolution	Basic concepts to be explained. Models of DNA to be explained. Drawin's theory to be explained	Experimental analysis to be done. Learning outcome to be tested. Understanding of human evolution by the learner
1/08/2016 TO 13/08/2016	Human Health and Disease. Strategies for enhancement of food production	Slides of disease causing organisms to be studied to explain diseases in humans characters of animals and plants to be studied	Identification of microbes to be developed in the students. Learning of breeding techniques.
16/08/2016 TO 31/08/2016	Microbes in Human Welfare Biotechnology: Principles and Processes	Slides of Microbes to be observed during practical to develop knowledge about microbes. Recombination DNA technology to be explained Practical implication developed	Students should develop the ability to identify microbes and learn their characteristics. Development of ability to apply the principles in practice.
1/09/2016 TO 14/09/2016	Ecology organism and Populations	Basic concepts to be explained. Learning outcome awareness of environment	Ability to identify environmental issues and solve questions from within the text

FIRST TERM EXAMINATION

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Ecosystem	Biodiversity and conservation	Environmental issues	Environmental issues (contd...)	Environmental issues Problems related to value based questions Sample papers	Practice of practicals & revision.

DATES	TOPICS	TECHNIQUES	TOOLS OF EVALUATION
28/09/2016 TO 15/10/2016	Ecosystem	Types of ecosystems and energy flow to be explained	Analyses environment and ecological succession understanding of mineral cycle
17/10/2016 TO 28/10/2016	Biodiversity and conservation	Principles of conservation to be explained Awareness of biodiversity conservation	Accuracy in answering practical situation of environment and its analysis
2/11/2016 TO 16/11/2016	Environmental issues	Knowledge of various environmental issues to be developed	Presentation skills to be developed to explain environmental issues
17/11/2016 TO 30/11/2016	Environmental issues (contd...)	Current environmental issues to be discussed	Presentation skills to be developed to explain environmental issues contd..
01/12/2016 TO 15/12/2016	Environmental issues Problems related to value based questions Sample papers	Pollution in environment to be explained. Inter-disciplinary questions to be practiced.	Ability to develop analytical ways to prevent environmental pollution
16/12/2016 TO 31/12/2016	Practice of practicals & revision.	Text related topics to be chosen to develop value based question	Ability to develop knowledge under slanting and aptitude to actuality solve value based question

BUSINESS STUDIES

1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
Ch-1 Nature and significance of Management	Ch-2 Principles of Management	Ch- Business Environment Ch-4 Planning	Ch-5 Organising	Ch-6 Staffing	Ch-7 Directing
16.8.16- 31.8.16	1.9.16- 14.9.16				
Ch-8 Controlling &	REVISION				

Ch-12 Consumer Protection					
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DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
01/04/2016 To 13/04/2016	Ch-1 Nature and significance of Management	Written Assignments Judgment of previous knowledge of students Discussion method Audio Visual Aids (Pen drive/CD's)	Does He/She contribute to the discussion in class (YES/NO) Is the child able to relate the current topic with previous knowledge? (YES/NO)
18/04/2016 TO 30/04/2016	Ch-2 Principles of Management	Written Assignments Question/Answer method Use of real life examples and case studies Audio Visual Aids (Pen drive/CD's)	Does the child exhibit in depth knowledge while formulating the answer? (YES/NO) Analyzing and synthesizing of the answers (GOOD/AVERAGE) Standardized test
2/05/2016 TO 18/05/2016	Ch- Business Environment Ch-4 Planning	Lecture and discussion method Written Assignments Presentation of process of planning through flow chart on black board Explanation of different types of plans with examples and case studies Audio Visual Aids (Pen drive/CD's)	Is the child able to express his/her opinion with confidence (YES/NO) Is the child able to relate his knowledge with real life situations (YES/NO) Conducting oral and open book test to judge understanding of students
	SUMMER VACATIONS PROJECT WORK	Discussion, display and presentation method Distribution of different topics of project to the students Audio Visual Aids (Pen drive/CD's)	Has the student put forth any visual i.e. diagram, graph, picture with presenting project (YES/NO) Does the child possess understanding and creative skills (YES/NO)
01/07/2016 TO 16/07/2016	Ch-5 Organising	Written Assignments Group Discussion Question/Answer method Audio Visual Aids (Pen drive/CD's) Application oriented questions discussed and explained with the help of case studies	Does the child contribute to the discussion in the class? (YES/NO) Analyzing and synthesizing of the answers Standardized test

18/07/2016 TO 30/07/2016	Ch-6 Staffing	Lecture and discussion method, Explanation of application oriented questions and their implications. Flow Chart presentation of process of staffing and selection and thereby giving clear and elaborate understanding of the topic. Audio Visual Aids (Pen drive/CD's)	Use of key appropriate symbols and terms (YES/NO) Is the child able to draw neat flow chart and properly label it? (YES/NO) Oral Test Correction of work performed by students
01/08/2016 TO 13/08/2016	Ch-7 Directing	Use of real life examples for explaining different elements of directing (Leadership, Motivation, Supervision and Communication) Written Assignments Application oriented questions discussed and explained with the help of case studies Audio Visual Aids (Pen drive/CD's)	Is the child able to understand the topic and express opinion with confidence? (YES/NO) Is the child able to understand the implications of application oriented questions (YES/NO) Oral & Pen Paper Tests
16/08/2016 TO 31/08/2016	Ch-8 Controlling & Ch-12 Consumer Protection	Written Assignments Flow Chart presentation Process of controlling Explanation of techniques of controlling with examples and discussion Application oriented questions discussed and explained with the help of case studies	Is the child able to grasp the topic and apply them according to given situation in the questions? (YES/NO) Is the child able to label flow chart neatly? (YES/NO) Standardized test
01/09/2016 TO 14/09/2016	REVISION Ch-1 to 8	Judging previous knowledge of students regarding shares and debentures Combination of all techniques 2016-17	Oral and pen paper tests Standardized test
FIRST TERM EXAMS			
29/09/2016 TO 15/10/2016	Ch-9 Financial Management	Use of real life examples for explaining different rights and responsibilities of Consumers Discuss of 3 types of decisions with examples Audio Visual Aids (Pen drive/CD's)	Is the child able to relate his previous knowledge with the topic (YES/NO)

17/10/2016 TO 28/10/2016	Ch-9Financial Management (continued)	Judging previous knowledge of students about finance Written Assignments Application oriented questions discussed and explained with the help of case studies	Analyzing and synthesizing of the answers Standardized test
02/11/2016 TO 16/11/2016	Ch-10 Financial Markets	Discuss about types of financial markets and their instruments Explanation of all terms related to Financial Markets through Questions/Answer method. Application oriented questions discussed and explained with the help of case studies	Is the child able to grasp the topic and apply them according to given situation in the questions? (YES/NO) Oral test
17/11/2016 TO 30/11/2016	Ch-11 Marketing Management	Discuss about 4 Ps of marketing Terms of Marketing explained Types of Promotion Techniques	Oral and pen paper tests Analyzing and synthesizing of the answers Standardized test
1/12/2016 TO 15/12/2016	Ch-11 Marketing Management (continued)	Application oriented questions discussed and explained with the help of case studies	Is the child able to grasp the topic and apply them according to given situation in the questions? (YES/NO) Oral test
16/12/2016 TO 22/12/2016	Revision Ch-1 to 12	Judging previous knowledge of students about finance Written Assignments Application oriented questions discussed and explained with the help of case studies	Oral and pen paper tests Analyzing and synthesizing of the answers Standardized test
SECOND TERM EXAMS			

CHEMISTRY
FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	-Solid State -Solution	-Electrochemistry -Surface chemistry	Chemistry kinetics	Haloalkanes and haloarenes	Alcohols, phenols and ethers	Aldehydes, Ketones and carboxylic acids
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	Amines	Bio molecules Polymers				

CHEMISTRYPLANNER			
DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
01/04/2016 To 13/04/2016	-Solid State -Solution	-Providing knowledge by lecture, notes making and giving explanatory examples of concern chapter and followed by pair work, Interview, Quiz	Are the children able to able to solve problems on 3D arrangement and actively participate in class discussion
18/04/2016 TO 30/04/2016	-Electrochemistry -Surface chemistry	Practicals to be conducted, reasoning to be explained by lecture method, questions from NCERT	To find the concentration of solution using molality and molarity, find the lowering in vapour pressure and solve question on Van'tHoff factor
02/05/2016 TO 18/05/2016	Chemistry kinetics	Problems on rate of reaction to be solved. Experiment on rate of reaction methods to find zero and first order reaction to be discussed	Is the child able to frame questions in reference to electrolysis, oral test, judgment of previous knowledge of electricity from redox reaction
<u>SUMMER VACCATION</u>			

01/07/2016 TO 16/07/2016	Haloalkanes and haloarenes	Concept mapping; cognitive structure, case study and workshop, MCQ based questions. brain map of the chapter to have look at a glance	Is the child able to frame question in reference to the context. Does he/she cover all aspects of the chapter in his/her formed assignment
18/07/2016 TO 30/07/2016	Alcohols, phenols and ethers	Practical to be observed for the presence of alcoholic and phenolic group in the compound, Explanation of the reasoning by lecture method	Does he/she contribute to the discussion on various topics in the class room? Yes/No Is the child able to express key points in flow chart
1/08/2016 TO 13/08/2016	Aldehydes, Ketones and carboxylic acids	Practical to be observed for the presence of alcoholic and phenenolic group in the compound, Explanation of the reasoning by lecture method	Does the child able to solve problems on conversions and distinction between different functional groups.
16/08/2016 TO 31/08/2016	Amines	Written assignment, explanation of all terms of concerned topics	Does the child able to analyses and solve HOTS
1/09/2016 TO 14/09/2016	Bio molecules Polymers	Presentation of process of preparing glucose and fructose through reaction,lecturemethod,practicals for testing the presence of various nutrients in different food stuff Written assignment, questions based learning concept maps, class discussion	Is the child able to apply his/her knowledge to answer the question? Giving and asking small questions from the child to judge his/her understanding related to concerned topic Is the child able to frame question in reference to the different polymers does he or she cover all the aspect of the chapter in his or her formed assigned
<u>FIRST TERM EXAMINATION</u>			

SECOND TERM 2016-17

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
General principles and process of isolation of elements	P-block (15 th and 16 th group)	P-block (17 th and 18 th group)	Chemistry in everyday life	d and f-block elements Coordination compounds.	REVISION FOR PRE-BOARD EXAMINATION

29/09/2016 TO 15/10/2016	General principles and process of isolation of elements	Making the student understand the concept of metallurgy, calcination and roasting. Explanation of questions based on Ellingham diagram.	Is the child able to correlate Ellingham diagrams to extraction of metals? Giving and asking small question to judge his\her understanding related to concerned topic.
17/10/2016 TO 28/10/2016	P-block (15 th and 16 th group)	To develop creative thinking, students are given guidance to list a set of assignment based on particular chapter, which has been currently covered which also develops the analytical thinking of learner.	<ul style="list-style-type: none"> • Are all the key points covered in his assignment? • Is the child able to draw conclusions and understand the problem asked? • Is the child able to apply his\her previous knowledge in reasoning?
02/11/2016 TO 16/11/2016	P-block (17 th and 18 th group)	To develop creative thinking, students are given guidance to list a set of assignment based on particular chapter, which has been currently covered which also develops the analytical thinking of learner.	<ul style="list-style-type: none"> • Are all the key points covered in his assignment? • Is the child able to draw conclusions and understand the problem asked?

17/11/2016 TO 30/11/2016	Chemistry in everyday life	Demonstrated the medicines of daily life, shown the antiseptics and the disinfectants. Providing the knowledge by lectures	<ul style="list-style-type: none"> Is the child able to apply his\her previous knowledge in reasoning? Is the child able to answer usage of medicines with technical terms? Is the child able to relate examples with the technical terms
01/12/2016 TO 15/12/2016	d and f-block elements Coordination compounds.	Reactions for preparations of $K_2Cr_2O_7$ and $KMnO_4$. Make the students understand the concept of strong oxidising agent using SRP, coordination compounds by lecture method.	Oral test, is the child able to relate examples with the technical terms (yes \no). Is the child able to differentiate between CFT and VBT?
16/12/2016 TO 22/12/2016	REVISION FOR PRE-BOARD EXAMINATION		
	PRE-BOARD EXAMINATION		Standardized Test

COMPUTER SCIENCE

FIRST TERM

1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
Python Revision Tour	Object Oriented Prog. Function overloading Classes and objects	Built_in Modules Inheritance Pen and paper test of strings and classes and objects	Lists Stacks and Queues	File handling – Sequential files Random access files	Boolean algebra –

16.8.16- 31.8.16	1.9.16- 14.9.16				
PROJECT- PYTHON	REVISION				

DATE	TOPIC	TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
1-04-16 TO 13-04-16	Python Revision Tour	Program on lists, functions, strings, dictionaries, tuple. Lab Practice- Programs on lists, pattern and strings.	(i)Is the child able to comprehend the concepts of lists, functions, strings, dictionaries, tuple taught in class XI
18-04-16 TO 30-04-16	Object Oriented Prog. Function overloading Classes and objects	Program demonstration in lab. Explanation of syntax of function overloading Program and written assignments Lab Practice- Programs on Function Overloading	Is the child able to understand the need and implementation if polymorphism in Python. Is the child able to write andrun the program on classes
02-05-16 TO 18-05-16	Built_in Modules Inheritance Pen and paper test of strings and classes and objects.	Explanation of types of inheritance with syntax, program and output codes Usage of built-in modules with examples and Written assignment Lab Practice- Programs on Classes and Objects	Is the student able to incorporate the concept of built-in modules in classes Is the student able to define , base class and derived class using single inheritance Ability to find the inherited members, size of base class and derived class Standardised test
01-07-16 TO 16-07-16	Lists Stacks and Queues	Explanation of List, stacks and queueess and their operations using programs, lab demos Conversion and evaluation of arithmetic expressions using algorithms Written assignment	Is the student able to write the operations on stacks and queues in the form of python programs Is the student able to execute these programs in the lab sessions

		Lab Practice- Programs on Stacks, Queues	
18-07-16 TO 30-07-16	File handling – Sequential files Random access files	Explanation of need of files and steps to open, process and close the file. Program codes using sequential and random access functions Lab Practice- Programs on Text & Binary files	Is the student able to create text file and perform operations on it Is the student able to create a binary file and perform basic operations on it
1-08-16 TO 13-08-16	Boolean algebra –	Logic gates with the help of truth table and gate representation Reducing the Boolean expression using algebraic expression and K-map Pen and paper test	Is the child able to prepare truth table and design gate representation of expressions Understanding of K-map rules in SOP and POS. Standardised tests
16-08-16 TO 31-08-16	PROJECT- PYTHON	Implementation of OOPs concepts learned through python language in the form of case study.	Is the child able to prepare to implement the concepts of OOPs in the real life projects. Standardised tests
1-09-16 TO 14-09-16	REVISION	Python Programming Revision of python file handling concepts, Classes, Constructors & Destructors, Inheritance	Standardized Test
FIRST TERM EXAMINATION			

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Database Concepts SQL DDL commands	SQL DML commands Creating View JOINS	Communication and Networks	Cloud Computing Network Security	Project work Application of classes	Revision

DATES	TOPICS	TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
28-09-16 TO 15-10-16	Database Concepts SQL DDL commands	Explanation of different types of models of databases with examples Explanation of SQL DDL commands with syntax, command using different tables. Lab Practice: Implementation of DML commands using mysql.	Is the student able to implement the data model and the database concepts in SQL Is the student able to write and predict the output of various DDL commands of SQL using multiple tables.
17-10-16 TO 28-10-16	SQL DML commands Creating View JOINS	Explanation of SQL DML commands and different types of joins with syntax, command using different tables. Lab Practice: Implementation of DML commands using mysql	Is the student able to implement the join concepts in SQL Is the student able to write and predict the output of various DML commands of SQL using multiple tables.
02-11-16 TO 16-11-16	Communication and Networks	Explanation of different types of networks, communication channels, protocols and networking technologies using real life studies .	Giving and asking small questions from the student to check his understanding of the networking concepts .
17-11-16 TO 30-11-16	Cloud Computing Network Security	Explanation of different types of open source concepts with advantages and disadvantages of each. Cloud computing along with its features will be explained through presentation.	Questions on network Layouts to check the technical know-how of the student. Problems on case studies to differentiate software and its concept on the basis of its type.
01-12-16 TO 15-12-16	Project work Application of classes	Python programming implementation in project	Is the student able to implement concepts of Python in project
16-12-16 TO 22-12-16	Revision	Python Programming Classes, Constructors & Destructors, Inheritance, File handling, Data Structures	Standardized test

	SQL, Boolean Algebra, Networking	
REVISION FOR PRE-BOARD EXAMINATION		

ECONOMICS

FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	UNIT I: Introduction PPC, Opportunity cost, MOC, Central Problems of the Economy	UNIT II: (i) Demand and changes in demand (ii) Elasticity of Demand	UNIT III (i) Consumer's Equilibrium-Utility approach (ii) Consumer's Equilibrium-Indifference curve analysis	UNIT III: (i) Cost (ii) Revenue (iii) Production Function	UNIT III: (i) Supply and Elasticity of supply (ii) Producer's Equilibrium with MC and MR approach	UNIT IV: (i) Forms of Market (ii) Price determination under perfect competition
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	(i) Different situations to determine the prices (ii) Simple application tools for demand and supply	Revision of Micro Economics				

DATE	TOPIC	TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
01/04/2016	UNIT I: Introduction	<ul style="list-style-type: none"> • Short Answer Questions 	<ul style="list-style-type: none"> • Does the child exhibit in depth knowledge while

To 13/04/2016	(i) PPC, Opportunity cost, MOC, Central Problems of the Economy	<ul style="list-style-type: none"> • Long Answer Questions • Schedules • Diagrams • Jigsaw Reading <p>Learning Outcomes:- Student will develop critical thinking and awareness about optimum and efficient use of resources</p>	<p>formulating the answers (Yes/No)</p> <ul style="list-style-type: none"> • Analyzing and synthesizing of the answers(Good/Average)
18/04/2016 TO 30/4/2016	UNIT II: (i) Demand and changes in demand (ii) Elasticity of Demand	<ul style="list-style-type: none"> • Numerical problems • Schedules • Diagrams <p>Learning Outcomes:- Awareness will be created about the effects of consumption goods and its measurement</p>	<ul style="list-style-type: none"> • Expresses opinion with confidence (Yes/No) • Understanding of cordial approach (Yes/No) • Understanding of cordial approach (Yes/No)
02/05/2016 TO 18/05/2016	UNIT III (i) Consumer's Equilibrium- Utility approach (ii) Consumer's Equilibrium- Indifference curve analysis	<ul style="list-style-type: none"> • Construction of Schedules • Construction of Curves • Analysis and Interpretation <p>Learning Outcomes:- It will develop analytical and creative thinking</p>	<ul style="list-style-type: none"> • Accuracy in labeling (Yes/No) • Neatness(Good/Average) • Does the child possess understand and creative skill while interpreting schedules and curve
SUMMER VACATIONS			
01/07/2016 TO 16/07/2016	UNIT III: (i) Cost (ii) Revenue (iii) Production Function	<ul style="list-style-type: none"> • Ability Test • Home Assignment • Discussions <p>Learning Outcomes:- It will develop the implication of knowledge</p>	<ul style="list-style-type: none"> • Expresses opinions with confidence (Yes/No) • Does he/she contribute to the discussion in class(Yes/No)
DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION

18/07/2016 TO 30/07/2016	UNIT III: (i) Supply and Elasticity of supply (ii) Producer's Equilibrium with MC and MR approach	<ul style="list-style-type: none"> • Jigsaw Activity • Written Assignment • Ability Test Learning Outcomes:- It will develop the analytical and thinking	<ul style="list-style-type: none"> • Expresses opinions with confidence (Yes/No) • Standardized Test
01/08/2016 TO 13/08/2016	UNIT IV: (i) Forms of Market (ii) Price determination under perfect competition	<ul style="list-style-type: none"> • Open/Closed Book Test • Explanation of Basic concepts Learning Outcomes:- It develops critical thinking and implementation of knowledge	<ul style="list-style-type: none"> • Does the child possess understand and analytical skill while executing the role. • Is he/she able to answer the questions with in depth knowledge(Yes/No)
16/08/2016 TO 31/08/2016	(i) Different situations to determine the prices (ii) Simple application tools for demand and supply	<ul style="list-style-type: none"> • Diagrammatic presentation of price determination Learning Outcomes:- It helps in learning accurate solutions	<ul style="list-style-type: none"> • Does the child possess understanding to apply the knowledge diagrammatically (Yes/No)
01/09/2016 To 14/09/2016	Revision of Micro Economics	<ul style="list-style-type: none"> • Numerical Problems • V B Q • Pen and Paper Test: MCQ Learning Outcomes:- students will be able to learn and solve the problems	Standardized Test
FIRST TERMINAL EXAMINATION			

ECONOMICS

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Macro Economics UNIT VI: Money and banking UNIT VIII: Government Budget	UNIT VII (i) Determinat ion of Income and Employme nt (ii) Excess and Deficient Demand	Unit-V Concepts of National Income and National Income Aggregate	UNIT V (i) GDP and Welfare (ii) Disposable income Revision	Unit IX Rate of exchange and balance of payment	Revision of macro economics

DATE	TOPIC	TECHNIQUE	TOOLS OF EVALUATION
28/09/2016 To 15/10/2016	Macro Economics UNIT VI: Money and banking UNIT VIII: Government Budget	<ul style="list-style-type: none"> To collect information regarding budget presentation by Govt. Group discussions Learning Outcomes:- Development of Social awareness regarding infrastructure development and Environment conservation	<ul style="list-style-type: none"> Is the content and information authentic(Yes/No) Recording and presentation skills(Good/Average/Below Average)
17/10/2016 To 29/10/2016	UNIT VII (i) Determination of Income and Employment (ii) Excess and Deficient Demand	<ul style="list-style-type: none"> High order thinking questions Long answer questions Diagram Learning Outcomes:- The student will be able	<ul style="list-style-type: none"> Does the child able to analyse and solve HOTS (Yes/No) Has the students executed diagrams skillfully in writing answers(Yes/No)

		to develop diagrammatic presentation skills and learn functioning of banking	
02/11/2016 To 16/11/2016	Unit-V Concepts of National Income and National Income Aggregate	<ul style="list-style-type: none"> Numerical Problems Survey about effect of rising prices on living of people <p>Learning Outcomes:- Survey will develop an empathy between understanding of subject matter and real life situations.</p>	<ul style="list-style-type: none"> Neatness of diagrams(Good/Average) Is the content and information authentic?(Yes/No)
17/11/2016 To 30/11/2016	UNIT V (i) GDP and Welfare (ii) Disposable income	<ul style="list-style-type: none"> Written Assignment Value Based Question High Order Thinking Questions <p>Learning Outcomes:- Student will develop critical examination and execution</p>	<ul style="list-style-type: none"> Express opinions with confidence(Yes/No) Accuracy in answering value based questions(Yes/No) Understanding of concepts to answer HOTS
01/12/2016 To 15/12/2016	Unit IX Rate of exchange and balance of payment	<ul style="list-style-type: none"> Group discussion, use of smart board 	<ul style="list-style-type: none"> Understanding the concept of determination of exchange rate and sources of demand and supply for foreign exchange
16/12/2016 To 22/12/2016	Revision of macro economics	<ul style="list-style-type: none"> Open close book test, value based questions and HOTS 	<ul style="list-style-type: none"> Accuracy in answering value based questions and HOTS
	Pre Board Examination		Standardize Test

MULTIMEDIA & WEB TECHNOLOGY

FIRST TERM

1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
HTML JAVASCRIPT	Database Concepts	Multimedia & Authoring Tools	Animation in Flash	Publishing and Exporting	Introduction to PHP If-else statement loops
16.8.16- 31.8.16	1.9.16- 14.9.16				

Built-in functions Arrays	PROJECT WORK REVISION				
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DATE	TOPIC	TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
1-04-16 TO 13-04-16	HTML JAVASCRIPT	Program codes to design web pages using the tags of HTML and JAVASCRIPT Lab Practice- Web page designing using HTML and JAVASCRIPT	Is the child able to comprehend the concepts of HTML and JAVASCRIPT etc. taught in class XI?
18-04-16 TO 30-04-16	Database Concepts	Explanation of databases with the help of advantages and commands of databases. Lab Practice –Table Creation , primary key Addition,modification and deletion of record Written Assignments	Is the child able to understand the need of databases and implementation of database concepts in Ms. Access? Is the child able to predict different types of keys from tables?
02-05-16 TO 18-05-16	Multimedia & Authoring Tools	Explanation of need of multimedia tools , Flash features, tools box, flash window layout Lab Practice- Demonstration of flash to show different parts of flash window, tools box and their components	Has the student understood the features of flash? Is the student able to use the various tools of flash to create objects in Flash?
01-07-16 TO 16-07-16	Animation in Flash	Explanation of types of animations, motion guide layer and text animations Written assignment Lab Practice- Demonstration and practice of motion and shape tweening with motion guide layer	Is the student able to write the procedure and property settings of flash animation Is the student able to execute these animations in the lab sessions?
18-07-16 TO	Publishing and Exporting	Explanation of difference between publishing and exporting	Is the student able to publish and export the flash file in different formats?

30-07-16		Examples of various formats in which flash file can published or exported. Written Assignments	Is the student aware of features of different formats in which the flash file is published or exported?
1-08-16 TO 13-08-16	Introduction to PHP If-else statement loops	Explanation of features, equivalent tools, data types functions in PHP Program codes using loops, functions Lab Practice- Programs on PHP including loops and functions	Is the student able to write programs using PHP loops and functions? Is the student able to implement the features of the PHP concepts in the Lab sessions?
16-08-16 TO 31-08-16	Built-in functions Arrays	Explanation of arrays required in PHP Programs.. Explanation of steps to include the built-in functions and arrays in server side script Written Assignments Lab Practice- Programs on ASP files and Databases.	Has the child understood the functions of PHP and their implementations? Is the student able to perform operations on arrays?
1-09-16 TO 14-09-16	PROJECT WORK REVISION	Revision of HTML, JavaScript and PHP programs from the sample papers Project based on HTML,PHP and Access will be submitted by the students	
FIRST TERM EXAMINATION			

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
PHP forms	Text Files	PHP file uploads Databases	Project work	PHP Implementation in Project work	Revision

DATES	TOPICS	TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
28-09-16 TO 15-10-16	PHP forms	Explanation of Form Handling,Form Validation, Form URL/E-mail Lab Practice: Creation of PHP forms	Has the child understood the concepts of various forms elements and their implementation in real life.
17-10-16 TO 28-10-16	Text Files	Discussion of Text Files- Opening a file,Reading a file,Writing a file,Closing a file Lab Practice:- Programs on Text files	Does the child understood the various modes of files and related operations on it?
02-11-16 TO 16-11-16	PHP file uploads Databases	Discussion of steps for PHP File Upload, Cookies,Sessions(start,modify and destroy), Error Handling sessions, Connecting with Databases: opening and closing database Inserting, retrieving, modifying/updation of records from tables in databases	Has the child understood the steps of PHP file upload and Cookies session. Is the student able to connect to database through PHP and perform database related operations on it?
17-11-16 TO 30-11-16	Project work	Implementation of HTML, JavaScript,Flash in project	Is the student able to implement the concepts of HTML, FLASH in project
01-12-16 TO 15-12-16	PHP Implementation in Project work	Implementation of PHP in project	Is the student able to implement the concepts of PHP in project
16-12-16 TO 22-11-16	Revision	Revision HTML, JAVA Script, Flash in project	Standardize test
REVISION FOR PRE-BOARD EXAMINATION			

PHYSICAL EDUCATION

FIRST TERM

1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
Sports Environment & Society	Adventure Sports & Leadership Training	Sports & Nutrition	Sports & Nutrition	Planning in Sports	Planning in Sports
16.8.16- 31.8.16	1.9.16- 14.9.16				
Postures	Children & Sports				

Date & Month	Unit	Topic
1 st April ,2016 to 13 th April ,2016	Sports Environment & Society	<ul style="list-style-type: none"> • Meaning & Need of Sports Environment • Essential Elements Of positive sports environment • Role of Individual in Improvement of Sports Environment • Role of Spectators & Media in Creating Positive Sports Environment • Women Participation – As Discourse & Ideology
18 th April ,2016 to 30 th April,2016	Adventure Sports & Leadership Training	<ul style="list-style-type: none"> • Meaning & Objective Of Adventure Sports • Types of activities – Camping, Rock Climbing, Tracking, River Rafting & Mountaineering • Material Requirement & Safety measures • Identification & use of Natural Resources • Conservation of surroundings • Creating Leaders Through Physical Education
2 nd May ,2016 to 18 th May2016	Sports & Nutrition	<ul style="list-style-type: none"> • Balanced Diet & Nutrition: Macro & Micro Nutrients

		<ul style="list-style-type: none"> • Nutritive & Non-Nutritive Components Of Diet
1 st July ,2016 to 16 th July ,2016	Sports & Nutrition	<ul style="list-style-type: none"> • Eating Disorders – Anorexia Nervosa & Bulimia • Effects Of Diet On Performance • Eating For Weight Control – A Healthy Weight, The Pitfalls Of Dieting, Food Intolerance & Food Myths
18 th July ,2016 to 30 th July,2016	Planning in Sports	<ul style="list-style-type: none"> • Meaning & Objectives Of Planning • Various Committees & Its Responsibilities • Tournament – Knock-Out, League Or Round Robin & Combination
1 st August ,2016 To 13 th August ,2016	Planning in Sports	<ul style="list-style-type: none"> • Procedure To Draw Fixtures – Knock-Out (Bye & Seeding) & League (Staircase & Cyclic) • Intramural & Extramural – Meaning, Objectives & Its Significance • Specific Sports Programme (Sports Day, Health Run, Run For Fun, Run For Specific Cause & Run For Unity)
16 th August ,2016 To 31 st August,2016	Postures	<ul style="list-style-type: none"> • Meaning and Concept of Correct Postures - Standing And Sitting • Advantages of Correct Posture • Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, Kyphosis, Bow Legs and Scolioses • Physical Activities as Corrective Measures
1 st Sept.,2016 To 14 th Sept.,2016	Children & Sports	<ul style="list-style-type: none"> • Motor development in children • Factors affecting motor development • Physical & Physiological benefits of exercise on children • Advantages & disadvantages of weight training & food supplement for children • Activities & quality of life.

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Test & Measurement in Sports	Physiology & Sports	Biomechanics & Sports	Psychology & Sports	Training in Sports	

Date & Month	Unit	Topic
28 Sept.,2016 to 15 th October , 2016	Test & Measurement in Sports	<ul style="list-style-type: none"> ○ Measurement of Muscular Strength – Kraus Weber Test ○ Motor Fitness Test – AAPHER ○ Measurement of Cardio Vascular Fitness – Harward Step Test/Rockfort Test ○ Measurement of Flexibility – Sit & Reach Test ○ Rikli& Jones - Senior Citizen Fitness Test <ol style="list-style-type: none"> 1. Chair Stand Test for lower body strength 2. Arm Curl Test for upper body strength 3. Chair Sit & Reach Test for lower body flexibility 4. Back Scratch Test for upper bodyflexibility 5. Eight Foot Up & Go Test for agility 6. Six Minute Walk Test for Aerobic Endurance
17 th October ,2016 To 28 th October,2016	Physiology & Sports	<ul style="list-style-type: none"> ● Physiological factors determining component of Physical Fitness ● Effect of exercise on Cardio Vascular System ● Effect of exercise on Respiratory System ● Effect of exercise on Circulatory System ● Physiological changes due to ageing & role of regular exercise on ageing process.

2 nd November ,2016 To 16 th November ,2016	Biomechanics & Sports	<ul style="list-style-type: none"> • Projectile & factors affecting Projectile Trajectory • Angular & Linear Movements • Introduction to Work, Power & Energy • Friction • Mechanical Analysis of Walking & Running
17 th November ,2016 To 30 th November ,2016	Psychology & Sports	<ul style="list-style-type: none"> • Understanding stress, anxiety & its management • Coping Strategies – Problem Focused & Emotional Focused • Personality, its dimensions & types; Role of sports in personality development • Motivation, its type & technique • Self-esteem & Body Image
1 st December ,2016 To 15 th December 2016	Training in Sports	<ul style="list-style-type: none"> • Strength – Definition, types & methods of improving Strength – Isometric, Isotonic & Isokinetic • Endurance - Definition, types & methods to develop Endurance – Continuous Training, Interval Training & Fartlek Training • Speed – Definition, types & methods to develop Speed – Acceleration Run & Pace Run • Flexibility – Definition, types & methods to improve flexibility • Coordinative Abilities – Definition & types
16 th December 2016 To 22 nd December 2016	Revision and Doubt Clearing Sessions	

Practical

Max. Marks 30

01. Physical Fitness - AAHPER - 05 Marks
02. Athletics – Middle & Long Distance Runs & Throws* - 05 Marks
03. Health & Fitness Activities – Asanas/Swiss Ball/Plyometric/Aerobics (Any one) – 05 Marks

04. Skill of any one Team Game of choice from the given list*** - 05 Marks
05. Viva - 05 Marks
06. Record File** - 05 Marks

***The events being opted must be other than from those administered under Physical Fitness Test.**

****1. Write benefits of Asanas, Swiss Ball & Plyometric**

2. Measure Resting Heart Rate & Respiratory Rate of ten members from family or neighbourhood for three weeks & show graphical representation of the data.

3. Draw a neat diagram of the Field/Court of any one Game of choice. Write its history, Rules & Regulations, Terminologies & Important Tournaments.

***** Athletics, Basketball, Football, Handball, Hockey, KhoKho& Volleyball**

Physical Fitness AAPHER Test :

Pull Up (Boys), Flexed Arm Hang (Girls), Shuttle Run, 50 Yard Dash, Standing Broad Jump, 600 Yard Run, Flexed Leg Sit ups

Grading Criteria:

1. Demonstrates physical fitness and agility.
2. Displays courage and determination.
3. Demonstrates flexibility of the body.
4. Demonstrates sportsmanship.
5. Follow all safety norms of games and sports.
6. Follows rules of the game.
7. Has undergone training and coaching in chosen games and sports.
8. Makes strategic decisions within the game.
9. Organizes and provides leadership in this area.
10. Takes initiative and interest in physical education and wellness.

PHYSICS

FIRST TERM

1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
Electrostatics	current electricity	Magnetic effects of current	Magnetism	Electromagnetic induction	Alternating current
16.8.16- 31.8.16	1.9.16- 14.9.16				
Electromagnetic waves and ray optics	ray optics(contd...)				

DATE	TOPIC	TOOLS OF EVALUATION	TECHNIQUE
01/04/2016 To 13/04/2016	Electrostatics	Is the child able to correlate this/her previous knowledge Yes/No Is the child able to understand the topic Yes/No	-Compare the e.m.f. of 2 cells using potentiometer to find resistivity of a wire using meter bridge -Find the internal resistance of cell using potentiometer
18/04/2016 TO 30/04/2016	current electricity	Understand the topic Yes/No Is the child able to draw Neat and correct circuit diagrams	-To find resistance of a wire using Ohm's law learning outcome -Judgment of previous knowledge of the student related to electricity refreshing the knowledge and learner is able to analyse the circuits diagrams -Oral Test
02/05/2016 TO 18/05/2016	Magnetic effects of current	-Application of the previous knowledge Yes/No -Is the child able to relate examples with the technical terms Yes/No -Oral Test	-Find the resistance of Galvano meter by half deflection method -Working of AC generator and transformer using suitable examples & diagrams -Learning outcome -Student is able to correlate with real life mechanism of motor working & electricity generation and open & book test
01/07/2016	Magnetism	Is the child able to correlate this/her previous	-Student is able to correlate with real life

TO 16/07/2016		knowledge Yes/No	mechanism of motor working & electricity generation and open & book test
18/07/2016 TO 30/07/2016	Electromagnetic induction	-Application of the previous knowledge Yes/No -Giving and asking small questions from the child to judge his/her -Understanding related to the concerned topic	-Giving in depth knowledge to the students for implication of formula and diagrams -Written assignment
1/08/2016 TO 13/08/2016	Alternating current	-So the child able to understand the topic Yes/No -Is the child able to apply his/her knowledge will answering the questions Yes/No -Finding worksheet & assignment of students	-Judgment of previous knowledge of students related to the subject -Find frequency of AC main using sonometer and gorse shoe magnet -Learning outcome learner is able to analyse the circuits and correlate the functions of mechanism
16/08/2016 TO 31/08/2016	Electromagnetic waves and ray optics	-To the student able to correlate the diagrams along with the presentation Yes/No -Oral Test -Judgment of his/wore in analyzing the numerical efficiently Yes/No	-Make the student understand the concept of electromagnets wares -Nature of light -Rainbow formation is taught to the students with the help of prism -Learning outcome -Learner is able to see through the rainbow colours and analyse the real life concept workmanship of lenses and mirrors -Numerical
1/09/2016 TO 14/09/2016	ray optics(contd...)	-To the student able to differentiate between the usage of various lenses Yes/No -To the student able to understand the difference between microscope & telescope	-Laws of refraction and laws of reflection ray diagrams -Nature and position of images formed by a convex lens with the help of candle & screen
FIRST TERMINAL EXAMINATION			

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Wave optics	-Dual nature of matter & radiations	Atoms & Nucleic	Atoms & Nucleic	Electronic devices	Communication system& revision

28/09/2016 TO 15/10/2016	Wave optics	-To the student able to differentiate between interference, diffraction and polarization	-Polarization of light by polaroid's, numerical on interference and written test
17/10/2016 TO 28/10/2016	-Dual nature of matter & radiations	-Is the child able to correlate examples with technical terms Yes/No -Is the child able to relate his/her previous knowledge with the previous topic fudging worksheet and assignment of students -Oral Test	-Judgment of previous knowledge related to the topic -Definition of different term used in the topic and explaining different experiments
17/11/2016 TO 30/11/2016	Atoms & Nucleic	-Judging their worksheet and assignments -Is the child able to draw the proper structure of atom	-Study of atoms -Nature of electrons, protons and neutrons, worksheet -open & close book test
01/12/2016 TO 15/12/2016	Electronic devices	-Is the child able to draw the curves of diode neatly and analyse it methodically -Judging their assignments and worksheet	-Study the nature of characteristics curves of P.N. Diode and zener's diode -Learning outcome -Student is able to analyse the usage of transistors & transformers
16/12/2016 TO	Communication system& revision	-Is the child able to relate this previous with the current topic Yes/No	Student is able to use the mobile technology and GPS system

22/11/2016		-Is the student able to learn all the letters used in the topic and is the child able to analyse& determine the utility of communication system	
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POLITICAL SCIENCE

FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	Volume I - Contemporary World Politics Chapter1- The Cold War Era	Chapter 2- The End Of Bi-Polarity	Chapter 3- US Hegemony In World Politics Chapter 4- Alternative Centers Of Power	Chapter 5- Contemporary South Asia Chapter 6 - International Organizations	Chapter 7 - Security in the Contemporary World	Chapter 8- Environmental and Natural Resources
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	Chapter -9 Globalisation	Vol –II : Politics in India Since Independence Ch-1 Challenges of Nation Building				

DATE	TOPIC	TECHNIQUES OF TEACHING	TOOLS OF EVALUATION
01/04/2016 To 13/04/2016	Volume I -Contemporary World Politics Chapter1- The Cold War Era	Homework And Class Work Assignments Discussion Method Map Work Time Line	<ul style="list-style-type: none"> • Does The Child Exhibit Knowledge While Formatting The Answers (Yes/No). • Accuracy In Locating And Labeling (Yes/No) • Recall (Yes/No).

			<ul style="list-style-type: none"> • IsHe /She Able To Properly Analyze And Synthesize The Answer (Yes/No).
18/04/2016 TO 30/04/2016	Chapter 2- The End Of Bi-Polarity	Homework And Class Work Assignments Group Discussion	<ul style="list-style-type: none"> • Does The Child Contribute To The Discussion In The Class (Yes/No).
02/05/2016 TO 18/05/2016	Chapter 3- US Hegemony In World Politics Chapter 4-Alternative Centers Of Power	Lecture And Discussion Method Homework And Class Work Assignments MCQ Cartoon Analysis Map Work Assignment	<ul style="list-style-type: none"> • Does The Child Exhibit Knowledge While Formulating The Answer (Yes/No). • Does The Child Posses Understanding Of The Cartoons (Yes/No). • Does The Students Develop Understanding About The Alternative Center Of Power (Yes/No).
	SUMMER VACATIONS		
01/07/2016 TO 16/07/2016	Chapter 5-Contemporary South Asia Chapter 6 - International Organizations	Homework And Class Work Assignments Charts Homework And Class Work Assignments Role Play Of Agencies Lecture And Discussion Method Flow Chart Presentation Of U Nation Organs And Agencies	<ul style="list-style-type: none"> • Does The Child Exhibit Knowledge While Formulating The Answers? • Is The Child Able To Understand The Topic And Express Opinion With Confidence (Yes/No). • Is A Analyzing and Synthesizing Of The Answers Up To The Mark (Yes/No).
18/07/2016 TO 30/07/2016	Chapter 7 -Security in the Contemporary World	Written assignment Application oriented questions discussed and explained Group discussion	<ul style="list-style-type: none"> • Is the child able to understand the implications of application? • Oriented question (yes/no). • Does the child contribute to the discussion in the class (yes/no)
01/08/2016 TO 13/08/2016	Chapter 8- Environmental and Natural Resources	Written assignment Lecture And Discussion Method Various terms explained MCQ	<ul style="list-style-type: none"> • Is the child able to recall the meaning of the terms

16/08/2016 TO 31/08/2016	Chapter -9 Globalisation	Discussion, debate & MCQ	<ul style="list-style-type: none"> Does the child contribute to the discussion in the class (yes/no) Has he/she understood the political, economic & cultural impact of Globalisation (yes/no)
01/09/2016 To 14/09/2016	Vol –II : Politics in India Since Independence Ch-1 Challenges of Nation Building	Detailing the student about the challenges of Nation building	<ul style="list-style-type: none"> Is the learner able to analyze the various challenges to India’s nation building (yes/no)
15/09/2016 To 28/09/2016	Ch-2 Era of One Party Dominance	Giving in-depth knowledge to the students about the reasons for Congress dominance cartoon presentation.	<ul style="list-style-type: none"> Is the learner able to differentiate Congress dominance and one party rule (yes/no)
FIRST TERMINAL EXAMINATION			

POLITICAL SCIENCE

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Ch-3 Politics of Planned Development Ch-4 India’s External Relations	Ch-5 Challenges to and Restoration of the Congress System Ch-6 The Crisis of Democratic Order	Ch-7 Rise of Popular Movements	Ch-8 Regional Aspiration	Ch- 9 Recent Development in Indian Politics	Revision

29/09/2016 TO 15/10/2016	Ch-3 Politics of Planned Development Ch-4 India’s External Relations	Class work assignments Map work Insight into current world scenario	<ul style="list-style-type: none"> Does the child exhibit knowledge while answering? (yes/no) Is the child able to locate its neighbouring
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			countries clearly? (yes/no)
17/10/2016 TO 28/10/2016	Ch-5 Challenges to and Restoration of the Congress System Ch-6 The Crisis of Democratic Order	Assignment Explanation The students will learn the reasons for crisis of Democracy	<ul style="list-style-type: none"> • Is the child able to grasp the topic and apply them accordingly to given situation in the question?(yes/no) •
2/11/2016 TO 16/11/2016	Ch-7 Rise of Popular Movements	Home work, class work, cartoons role play, group discussion, pictures, role play, use of real life examples.	<ul style="list-style-type: none"> • Is the child able to understand and give the correct answers? (yes/no) • Is the child able to relate his knowledge to real life situation? (yes/no)
17/11/2016 TO 30/11/2016	Ch-8 Regional Aspiration	Discussion Written assignments Presentation	<ul style="list-style-type: none"> • Does the student contribute to the discussion during the presentation? (yes/no)
01/12/2016 To 15/12/2016	Ch- 9 Recent Development in Indian Politics	Discussion Written assignments Presentation	<ul style="list-style-type: none"> • Is the child able to relate his knowledge to real life situation? (yes/no)
16/12/2016 To 22/12/2016	Revision		

PSYCHOLOGY FIRST TERM

	1.4.16- 13.4.16	18.4.16 -30.4.16	2.5.16- 18.5.16	1.7.16- 16.7.16	18.7.16-30.7.16	1.8.16- 13.8.16
	Ch-1 —Intelligence and aptitude	Ch-2 — Self and personality Concept of self	1) Concept of personality 2) Type approach and trait	Ch-3 — Meeting life challenges Nature types and sources of stress	1) Effects of stress of an psychological functioning and health Copying with stress	Ch-4 — Psychological disorder 1) Concepts of abnormality and psychologic

			approach Assessment of personality			al disorder 2) Classificatio ns of psychologic al disorder
	16.8.16- 31.8.16	1.9.16- 14.9.16				
	1) Explain the different models of abnormal between Major psychological disorders	Ch-5 — Therapeutic approaches Types of therapies				

CLASS XII – PSYCHOLOGY PLANNER 2016-17

Date	Topic	Technique	Tools of Evaluation
01/04/2016 to 13/04/2016	Ch-1 —Intelligence and aptitude	<ul style="list-style-type: none"> ▪ Short question answers ▪ Long question answers ▪ Learning outcome: Studies will understand how different methods used to asses psychological attributes 	<ul style="list-style-type: none"> ▪ Does the child understand the difference between intelligence and aptitude analysis and synthesizing of the answers?
18/04/2016 to 30/04/2016	Ch-2 — Self and personality 3) Concept of self	<ul style="list-style-type: none"> ▪ Role play discussion learning outcome will be able to describe the concept of self 	<ul style="list-style-type: none"> ▪ Has the topic been properly present? ▪ Does the child understand the meaning of self?
02/05/2016 to 18/05/2016	4) Concept of personality 5) Type approach and trait approach 6) Assessment of personality	<ul style="list-style-type: none"> ▪ Analyzing different approaches ▪ To the study of personality ▪ Learning outcome: Develop insight in the development of a healthy 	<ul style="list-style-type: none"> ▪ Express opinion with confidence. ▪ Standardized tests.

		personality	
SUMMER VACATIONS			
Date	Topic	Technique	Tools Of Evaluation
01/07/2016 to 16/07/2016	Ch-3 — Meeting life challenges 2) Nature types and sources of stress	<ul style="list-style-type: none"> ▪ To understand the nature types and sources of stress as life challenges learning outcome ▪ The students will be able to cope up with stress 	<ul style="list-style-type: none"> ▪ Neatness. ▪ Does the child understand the effects of stress on psychological functioning?
18/07/2016 to 30/07/2016	3) Effects of stress of an psychological functioning and health 4) Coping with stress	<ul style="list-style-type: none"> ▪ Home assignments ▪ Ability test particle ▪ Learning outcome stress management technique 	<ul style="list-style-type: none"> ▪ Is he/she able to answer the question? ▪ Is answer the question with depth knowledge
01/08/2016 to 13/08/2016	Ch-4 — Psychological disorder 2) Concepts of abnormality and psychological disorder 3) Classifications of psychological disorder	<ul style="list-style-type: none"> ▪ To feminize the learners' basic issues in abnormal behavior and the criteria used to identify abnormal behavior learning outcome. ▪ It develops analytical thinking. 	<ul style="list-style-type: none"> ▪ Does he child understand the factors which cause abnormal behavior? ▪ Analyzing and caustically evaluating of the answer.
16/08/2016 to 31/08/2016	4) Explain the different models of abnormal between 5) Major psychological disorders	<ul style="list-style-type: none"> ▪ Role play students may express that they are suffering from one or more than one disorders 	<ul style="list-style-type: none"> ▪ Does the student understand the child possess understanding and analytical skill?
1.09/2016 to 14/09/2016	Ch-5 — Therapeutic approaches 6) Types of therapies	<ul style="list-style-type: none"> ▪ Pen and paper test ▪ Practical No 2 ▪ Role play dramatization of certain students related behavioral issues 	<ul style="list-style-type: none"> ▪ Does the student understand various therapeutic approaches? ▪ Standardized test.
FIRST TERMINAL EXAMINATION			

SECOND TERM

28/09/2016 TO 15/10/2016	17/10/2016 TO 28/10/2016	02/11/2016 TO 16/11/2016	17/11/2016 TO 30/11/2016	1/12/2016 TO 15/12/2016	16/12/2016 TO 22/12/2016
Ch-6— Attitude and cognition	Ch-7— Social influence and group process Ch-7— Social influence and group process	Ch-8— Psychology and life 1) Human environment Relationship and its effect	Ch-9— Developing psychological skills 1) Supplem entary reading material or applied psychol ogy Internet Addiction	Ch-9— Developing psychological skills General Skill, observational skill and specific skill	Revision

28/09/2016 to 15/10/2016	Ch-6— Attitude and cognition	<ul style="list-style-type: none"> ▪ To understand what are attitudes, how they are formed and changed to explain why people help or do not help others in distress ▪ Written assignment 	<ul style="list-style-type: none"> ▪ Is the content and information authentic does the child able to understand the relationship among scheme, prototypes a prejudice?
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17/10/2016 TO 28/10/2016	Ch-7 — Social influence and group process Ch-7 — Social influence and group process	<ul style="list-style-type: none"> ▪ High order thinking question ▪ Long answer question ▪ Learning outcome the students be made to understand the importance of groups in real life ▪ High order thinking question ▪ Long answer question ▪ Learning outcome the students be made to understand the importance of groups in real life 	<ul style="list-style-type: none"> ▪ Does to students able to analyze and solve notes ▪ Has the students performed some activities in groups? ▪ Are students able to analyze and solve notes? ▪ Has the students performed some activities in groups?
2/11/2016 to 16/11/2016	Ch-8 —Psychology and life 2) Human environment 3) Relationship and its effect	<ul style="list-style-type: none"> ▪ Practical No - 3 ▪ Apply psychology ▪ In solving common problems in life ▪ Group discussions ▪ Learning outcome the students will be able to appreciate the relationship how human being and their environmental 	<ul style="list-style-type: none"> ▪ To analyze how pro-environmental behavior helps to deal with environmental stress ▪ Are the students able to understand hoe pollution effected on environmental?
17/11/2016 to 30/11/2016	Ch-9 — Developing psychological skills 2) Supplementary reading martial or applied psychology 3) Internet Addiction	<ul style="list-style-type: none"> ▪ Written assign next,open/closed test ▪ Case studies ▪ Learning outcome students will develop critical examination and execution 	<ul style="list-style-type: none"> ▪ Accuracy in answering the short question ▪ Understanding of concepts to answer questions
01/12/2016 To 15/12/2016	Ch-9 — Developing psychological skills General Skill, observational skill and specific skill	<ul style="list-style-type: none"> ▪ High order thinking question and Long answer question 	<ul style="list-style-type: none"> ▪ Our students able to understand and analyses other quesans
16/12/2016 To 22/12/2016		<ul style="list-style-type: none"> ▪ Revision 	<ul style="list-style-type: none"> ▪ Standardized test

PRE BOARD EXAMINATION

