

KENDRIYA VIDYALAYA SANGATHAN



SPLIT UP SYLLABUS

(COMMERCE STREAM)

Class – XI

2008-09

PREPARED BY

KENDRIYA VIDYALAYA SANGATHAN (Delhi Region)

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COMMERCE STREAM

Split-up Syllabus For Session 2008-09
Class-XI
English Core (For Summer Station KV's)

Month	Tentative teaching periods	1. Course Book Horbill 2. Supp. Reader- Snapshots	No. of Periods	Reading/Writing Skills	No. of Periods	Grammar	No. of Periods	CAL
June-08	7	Introduction to curriculum of English Core XIth The Portrait of a Lady	1 3	Reading Comprehension	1	Determiners	2	10 periods of computer aided learning
Jul-08	25	We're not afraid to die		Note making	4+1	Modals	3	
		A Photograph	2	Notice	3			
		The summer of the Beautiful White horse	3	Letter writing	2			
				Letter of Enquiry	2			
Aug-08	23	Ranga's Marriage	4	Note making	3			
		DiscoveringThe saga continues	5	Letter of Complaint	2	Tenses	6	
		The Address	3					
Sep-08	25	Albert Einstein at School The Laburnu	4			Voices	4	
		top (poem)	2	Essay writing	2	Clauses	4	
		Landscape of the soil	5	Application for jobs	2			
		The voice of the rain	2					

Oct-08	11	The Mother Day The Ailing Planet-The Green Movement Role	5				
Nov-08	23	The Browning Version	4	Reading comprehension Cumulative Examination	2	Revision + Practice	10
		Childhood (poem)	3				
		The Ghost of the only World	4				
Dec-08	17	An Adventure	5	Summarising	3	Jumbled words	2
		Birth	4			Grammar Practice	3
Jan-08		Silk Road	5	Letter to Editor	4	Grammar Practice	5
		Father to son (poem)	3				
		The tale of the Melon City	3	Note making	4		
Feb & Mar 09	Revision work + session ending Examination						

SYLLABUS

One Paper

3 Hours

Marks : 100

Unitwise Weightage

Unit/Areas of Learning		Marks
A. Reading Unseen Passages (Two)	20	
B. Writing	20	50
C. Grammar	10	
D. Textual Questions		
(i) Text book	30	
(ii) Supplementary Reader	10	40
E. Conversation Skills		
(i) Listening	05	
(ii) Speaking	05	10

SECTION A : READING

20 Marks

40 Periods

Reading Unseen Passages for Comprehension and Note-making

Two unseen passage with a variety of questions including 5 marks for vocabulary such as words formation and inferring meaning. The total length of both the passages together should be around 1100 words.

The passage could be any of the following two types :

- (a) Factual passages e.g. instructions, descriptions, reports.
- (b) Discursive passages involving opinion e.g. argumentative, persuasive.

SUMMARY – Class XI

Unseen Passages	No. of words	Testing Areas	Marks Allotted
1. 12 Marks	around 600	Short answer type questions to test local, global and inferential comprehension	10
		Vocabulary	02
2. 08 Marks	around 500	Note-making in an appropriate format	05
		Vocabulary	03

One of the passages should have about 600 words carrying 12 marks, the other passage should have about 500 words carrying 8 marks.

The passage carrying 08 marks should be used for testing note-making for 5 marks and testing vocabulary for 3 marks.

Vocabulary for 2 marks may be tested in the other passage carrying 12 marks.

SECTION B : WRITING

20 Marks

40 Periods

- | | | |
|----|---|----|
| 3. | One out of two tasks such as a factual description of any event or incident, a report or a process based on verbal input provided (80-100 words). | 04 |
| 4. | One out of two compositions based on a visual and/or verbal input in about (100-150 words.).
The output may be descriptive or argumentative in nature such as an article for publication in a newspaper or a school magazine or a speech. | 08 |
| 5. | Writing one out of two letters based on given input. Letters types include (a) business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies);
(b) letters to the editors giving suggestions, opinions on an issue of public interest or; (c) application for a job. | 08 |

SECTION C : GRAMMAR**10 Marks****30 Periods**

Different grammatical structures in meaningful contexts will be tested. Item types will include gap-filling, sentence-reordering, dialogue-completion and sentence-transformation.

The grammar syllabus will include the following areas :

- | | |
|--|---|
| 6. Determiners, Tenses, Clauses, Modals and Error Correction | 4 |
| 7. Editing Task | 4 |
| 8. Reordering of sentences | 2 |

SECTION D : TEXTUAL QUESTIONS**40 Marks****100 Periods**

Questions on the prescribed textbooks will test comprehension at different levels : literal, inferential and evaluative based on the following prescribed text books :

1. English reader Text book, published by NCERT, New Delhi.
2. Supplementary Reader, Published by NCERT, New Delhi.

English Reader Text book**30 Marks**

- | | |
|--|----|
| 9. One out of two extracts based on poetry from the text to test local and global comprehension and appreciation. | 4 |
| 10. Two out of three short answer questions from the poetry section to test local and global comprehension of text (upto 30 words). | 6 |
| 11. Five out of six short answer questions on the lessons from prescribed text (upto 30 words). | |
| 12. One out of two long answer type questions based on the text to test global comprehension and extrapolation beyond the set text. (Expected word limit would be about 100-125 words each.) | 10 |

Supplementary Reader**10 Marks**

- | | |
|---|-----------|
| 13. One out of two long answer type questions based on Supplementary Reader to test comprehension of theme, character and incidents from the set text. (upto 100 words) | 4 |
| 14. Two out of three short answer questions from the Supplementary Reader (upto 30 words). | 3 + 3 = 6 |

Conversation Skills (Listening + Speaking)

Conversation skills will be tested both as part of Continuous Assessment and at the final examination. Out of the 10 marks allotted for conversation, 05 marks may be used for testing Listening and 05 marks may be used for testing Speaking. The Conversation Skills Assessment Scale may be used for evaluating.

Listening

The examiner will read aloud a passage based on a relevant theme or a short story. The passage may be factual or discursive. The length of the passage should be around 350 words. The examinees are expected to complete the listening comprehension tasks given in a separate sheet while listening to the teacher. The tasks set may be gap-filling, multiple choice, true or false or short answer questions. There may be ten different questions for half a mark each.

Speak

Narration based on a sequence of pictures. In this section the candidate will be required to use narrative language. Description of a picture (can be pictures of people or places).

Speaking on a given topic to test recall of a personal experience.

NOTE :

- At the start of the examination the examiner will give the candidate some time to prepare. In case of narration the present tense should be used.
- Topics chosen should be within the personal experience of the examinee such as : relating a funny anecdote, retelling the theme of a book read or a movie seen recently.
- Once the candidate has started, the examiner should intervene as little as possible.

Conversation Skills Assessment Scale

Listening

The learner :

1. has general ability to understand words and phrase in a familiar context but cannot follow connected speech;
3. has ability to follow short connected utterances in a familiar context;
5. has ability to understand explicitly stated information in both familiar and unfamiliar contexts;
7. Understands a range of longer spoken texts with reasonable accuracy and is able to draw inferences.
9. shows ability to interpret complex discourse in terms of points of view; adapts listening strategies to suit purpose.

Speaking

The learner :

1. shows ability to use only isolated words and phrases but cannot operate on connected speech level;
3. in familiar situations, uses only short connected utterances with limited accuracy;
5. shows ability to use more complex utterances with some fluency in longer discourse; still makes some errors which impede communication;
7. Organizes and presents thoughts in a reasonably logical and fluent manner in unfamiliar situations; makes errors which do not interfere with communication.
9. can spontaneously adapt style appropriate to purpose and audience; makes only negligible errors.

पाठ्यक्रम विभाजन 2008-09 (ग्रीष्मावकाश कालीन विद्यालय

कक्षा : ग्यारहवीं

हिन्दी (केन्द्रिक)

माह	पुस्तक	पाठ्यक्रम	अपेक्षित कालांश	कम्प्यूटर कालांश	पूर्ण कालांश
जून-जुलाई	आरोह-1 वितान भाग-1 पूरक पुस्तक जनसंचार और रचनात्मक लेखन-1	गद्यखंड- कृष्ण सोबती-मियाँ नसीरुद्दीन काव्य खंड- कबीर दास (1) हम तौ एक एक करि जानां (2) संतों देखत जग बौराना मीरा- (1) मेरे तो गिरधर गोपाल दूसरो न कोई (2) पग घुंघरू बांधि मीरां नाची भारतीय..... (कुमार गंधर्व) अपठित बोध-गद्य कार्यालयी पत्र की पद्धति और नमूने समाचार प्रिंट मीडिया			30
अगस्त	आरोह-1	गद्य खंड- सत्यजीत राय-अप्पू के साथ ढाई साल			23

	वितान पूरक पुस्तक-1 जनसंचार और रचनात्मक लेखन	काव्य खंड- रामनरेश त्रिपाठी.....पथिक राजस्थान..... (अनुपम मिश्र) रोजगार संबंधी आवेदन-पत्र की लेखन विधि और उसके नमूने, सम्पादकीय अपठित बोध-पद्य			
सितम्बर	आरोह-1 वितान पूरक पुस्तक-1 जनसंचार और रचनात्मक लेखन-1	गद्य खंड- बालमुकुन्द गुप्त-विदाई सम्भाषण शेखर जोशी-गलता लोहा पद्य खंड सुमित्रानंदन पंत-वे आँखें राजस्थान..... (अनुपम मिश्र) स्ववृत्त लेखन की विधि और नमूने, रिपोर्ट-आलेख निबंध-सामाजिक विषयों पर			23
अक्टूबर	आरोह-1	गद्य खंड- कृष्णनाथ-स्पीति में बारिश काव्य खंड- भवानी प्रसाद मिश्र-घर की याद			17

	जनसंचार और रचनात्मक लेखन-1	विभिन्न विभागों (पानी, बिजली, टेलीफोन, परिवहन आदि) से संबंधित समस्याओं के बारे में अधिकारियों को लिखे जाने वाले पत्र के नमूने निबंध लेखन-साहित्यिक विषयों पर			
नवम्बर	आरोह-1	गद्यखंड- मन्नू भंडारी-रजनी पद्य खंड- त्रिलोचन-चंपा काले-काले अक्षर नहीं चीन्हती			24
दिसम्बर	आरोह वितान पूरक पुस्तक-1 जनसंचार और रचनात्मक लेखन	गद्य खंड- कृश्नचंदर-जामुन का पेड़ काव्य खंड- दुष्यंत कुमार गजल-साये में धूप अक्क महादेवी- (1) हे भूख! मत मचल (2) हे मेरे जूही के फूल जैसे ईश्वर। आलो-आँधारि : बेबी हालदार विज्ञापन लेखन की विधि और उसके उदाहरण, शब्द कोश, संदर्भ ग्रंथों का परिचय और उपयोग विधि की जानकारी।			17

जनवरी	आरोह-1 जनसंचार और रचनात्मक लेखन वितान पूरक पुस्तक-1	गद्य खंड- जवाहरलाल नेहरू-भारत माता काव्य खंड गैर पारम्परिक एवं अप्रत्याशित विषयों (मसलन- किसानों की आत्महत्या, हिंसक विज्ञापन, कामकाजी औरत की शाम) पर अनुच्छेद एवं निबंध के नमूने, फीचर लेखन आलो-आँधारि : बेबी हालदार			25
फरवरी	आरोह-1 जनसंचार.....	गद्य खंड- सैयद हैदर रजा-आत्मा का ताप काव्य खंड- निर्मला मृदुल-आओ मिलकर बचाएँ भाषण, उद्घोषणा, स्वागत भाषण, संगोष्ठी संचालन, आँखों देखा हाल आदि के प्रभावी सम्प्रेषण के लिए उपयुक्त शब्दावली, भाषा रूपों अभिव्यक्तियों आदि की जानकारी पुनरावृत्ति			21 टिप्पणी- जनसंचार एवं रचनात्मक लेखन पुस्तक के अन्तर्गत दिए गए विषयों का आधार के.मा.शि.बोर्ड का सीनियर स्कूल करिक्यूलम 2008 हो इससे संबंधित जानकारी पृष्ठ 44 पर है। इन विषयों का प्रयोग पत्र एवं निबंध लेखन हेतु भी किया जा सकता है।
मार्च		पुनरावृत्ति			

KENDRIYA VIDYALAYA SANGATHAN
SPLIT UP SYLLABUS FOR CLASS XI
MATHEMATICS (2008-09)
SUMMER STATION

Paper One

Time : 3 Hours

Marks : 100

Units	Topics	Marks	Periods CBSE
I	1. Sets	12	
	2. Relations and Functions	29	14
	3. Trigonometrions		18
II	1. Principle of Mathematical Inductions		06
	2. Complex Numbers and Quadratic-Equations		10
	3. Linear Inequalities		10
	4. Permutations and Combinations	37	12
	5. Binomial-Theorem		08
	6. Sequence and Series		10
III	1. Straight Lines		09
	2. Conic Sectionms	13	12
	3. Three Dimensional Geometry		08
IV	1. Limits and Derivatives	06	18
V	1. Mathematical Reasoning	03	08
VI	1. Statistics	12	10
	2. Probability		10
	Total	100	175

**KENDRIYA VIDYALAYA SANGATHAN
SPLIT UP SYLLABUS FOR CLASS XI
MATHEMATICS (2008-09)
SUMMER STATION**

Sr. No.	Month	Unit/Topic	Split-Up-Detail	Periods For Class Room Teaching	Periods For Comp.Aided Teaching	Total No. of Periods Teaching
1.	JUNE & JULY	1. Sets	Sets and their representations, Empty Set, Finite & Infinite sets. Equal sets, subsets, subsets of the sets of real numbers especially intervals (with notations). Power set, Universal Set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set.	10	02	12
		2. Relations & Function	Ordered pairs, Cartesian product of sets. Number of elements in the Cartesian product of two finite sets, Cartesian product of the real with itself (upto $R \times R \times R$). Definition of a relation, Pictorial diagrams, domain, co-domain and range of relation. Function as a special kind of relation from one set to another. Pictorial representation of a function, domain, co-domain and range of relation. Function as a special kind of relation from one set to another. Pictorial representation of a function, domain, co-domain and range of a function. Real valued function of a real variable, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum and greatest integer functions with their graphs. Sum, difference product and quotients of functions.	12	02	14

Sr. No.	Month	Unit/Topic	Split-Up-Detail	Periods For Class Room Teaching	Periods For Comp.Aided Teaching	Total No. of Periods Teaching
		3. Trigonometric Functions	<p>Positive and negative angles. Measuring angles in radians & in degrees and conversion from one measure to another.</p> <p>Definition of trigonometric functions with the help of unit circle.</p> <p>Truth of the identity $\sin^2x + \cos^2x = 1$, for all x. signs of trigonometric functions and sketch of their graphs. Expressions $\sin(x+y)$ and $\cos(x+y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$.</p> <p>Deducing the identities like following :</p> $\tan(x \pm y) = (\tan x \pm \tan y) / (1 \pm \tan x \tan y),$ $\cot(x \pm y) = (\cot x \cot y \pm 1) / (\cot x + \cot y),$ $\sin x + \sin y = 2 \sin(x+y) / 2 \cos(x-y) / 2, \quad \cos x + \cos y = 2 \cos(x+y) / 2 \cos(x-y) / 2,$ $\cos y = 2 \cos(x+y) / 2 \cos(x-y) / 2,$ $\sin x - \sin y = 2 \cos(x+y) / 2 \sin(x-y) / 2, \quad \cos x - \cos y = -2 \sin(x+y) / 2 \sin(x-y) / 2$	14	01	15
				36	06	42
2	AUG	1. Trigonometry (continued)	<p>Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.</p> <p>General solution of trigonometric equations of the type $\sin \theta = \sin \alpha$, $\cos \theta = \cos \alpha$ and $\tan \theta = \tan \alpha$. Proofs and simple applications of sin and cosine formulae.</p>	08	01	09
		2. Principal of Mathematics Induction	<p>Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.</p>	06	01	07

Sr. No.	Month	Unit/Topic	Split-Up-Detail	Periods For Class Room Teaching	Periods For Comp.Aided Teaching	Total No. of Periods Teaching
		3.Complex Numbers and Quadratic Equations	Need for complex numbers, especially “-1, to be motivated by inability to solve every quadratic equation. Brief description of algebraic properties of complex numbers. Argand plane and polar represent of complex numbers. Statement of fundamental theorem of Algebra. Solution of quadratic equation in the complex number system.”	(08+08)=16	01+01=2	09+09=18
				30	04	34
3.	SEP.	1. Linear Inequalities	Linear inequalities, Algebraic solutions of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities in two variable. Solution of system of linear inequalities in two variables graphically.	08	02	10
		2.Permutations & Combinations	Fundamental principle of counting. Factorial n. permutations and combinations, derivation of formulac and their connections, simple applicatioans.	10	02	12
		3. Binomial Theorem	History, statements and proof of the binomial theorem for positive integral indices. Pascal’s triangle, general and middle term in binomial expansion.	06	01	07
				24	05	29
4.	OCT.	1. Binomial Theorem (continued)	Simple applications.	08	01	09

Sr. No.	Month	Unit/Topic	Split-Up-Detail	Periods For Class Room Teaching	Periods For Comp.Aided Teaching	Total No. of Periods Teaching
		2. Sequence and Series	Sequence and series. Arithmetic Progression(A.P.). Arithmetic Mean (A.M.) Geometric Progression (GP), general term of a GP, sum of n terms of a GP, geometric Mean (GM), relation between between A.M and GM. sum to n terms of the special series Σn , Σn^2 and Σn^3 .	08	02	10
		3. Straight Lines :	Brief recall of 2 D from earlier classes. Slope of a line and angle between two lines. Various forms of equations of line: parallel to axes, point-slope form, slope- intercept form, two-point form, intercepts form and normal form. General equation of a line distance of a point from a line.	08	01	09
				24	04	28
5.	NOV	1. Conic Section	Sections of a cone : circles, line and pair of hyperbola, a point, a straight line and pair of intersecting lines a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle, Revision for Half Yearly Exam.			
				15	05	20
6.	DEC.	1.Introduction to three Dimensional Geometry	Co-ordinate axes and co-ordinate planes in three dimensions. Co-ordinates of a point. Distance between two points and section formula.	08	01	09

Sr. No.	Month	Unit/Topic	Split-Up-Detail	Periods For Class Room Teaching	Periods For Comp.Aided Teaching	Total No. of Periods Teaching
		2. Limits and Derivatives :	Derivative introduced as rate of change of both as that of distance function and geometrically, intuitive idea of limit. Definition of derivative, relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions.	11	01	12
				19	02	21
7.	JAN.	1. Derivative (continued)	Derivatives of polynomial and trigonometric functions.	07	02	09
		2. Statistics	Measure of dispersion; mean deviation, variance and standard deviation of ungrouped/group data. Analysis of frequency distributions with equal means but different variances.	10	02	12
		3. Probability	Random experiments; outcomes, sample spaces (set representation). Events: occurrence of events, mutually exclusive events Axiomatic (set theoretic) probability, connections with the theories of earlier classes. Probability of an event, probability of 'not', 'and' & 'or' events.	10	02	12
				27	06	33
8.	FEB.	1. Mathematical Reasoning:	Mathematically acceptable statements. Connecting words / phrases consolidating the understanding of "if and only if (necessary and sufficient) condition", "implies", "and/or", "imply by", "and", "or", "there exists" and their use through variety of examples related to real life and Mathematics. Validating the statements involving the connecting words -difference between contradiction, converse and contrapositive.			

Sr. No.	Month	Unit/Topic	Split-Up-Detail	Periods For Class Room Teaching	Periods For Comp.Aided Teaching	Total No. of Periods Teaching
			Revision for Session Ending Examination.			
9.	MAR.	Revision for Session Ending Examination. (Model Question Papers)				

Prepared By :

1.

2.

Splip-up Syllabus for Session 2008-09 (Summer Station)

Class XI

Business Studies

One Paper

Time : 3 Hours

Marks : 100

Units	Periods	Marks
Part A : Foundation of Business		
1. Nature and Purpose of Business	14	08
2. Form of Business Organisation	22	12
3. Private, Public and Global Enterprise	22	10
4. Business Service	20	08
5. Emerging Modes of Business	12	06
6. Social Responsibility of Business and Business Ethics	14	06
	<hr/>	<hr/>
	104	50
Part B : Corporate Organisation, Finance and Trade		
7. Formation of a Company	16	07
8. Source of Business Finance	20	10
9. Small Business	14	07
10. Internal Trade	18	10
11. International Business	14	06
12. Project Work	22	10
	<hr/>	<hr/>
	104	50

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
June 2008	Part A : Foundation of Business Unit 1 : Nature and Purpose of Business	<ul style="list-style-type: none"> ● Concept and characteristics of Business ● Business, profession and employment-distinctive features ● Objective of Business-economic and social, role of profit in business ● Classification of Business activities: Industry and commerce 	08	01	09
July 2008	Unit1: Continued	<ul style="list-style-type: none"> ● Industry-types: primary, secondary, tertiary ● Commerce: Trade and Auxiliaries ● Business risks : Nature and Causes 	04	01	05
	unit 2: Form of Business Organisations	<ul style="list-style-type: none"> ● Sole proprietorship; Joint Hindu Family Business-meaning features, merits and limitations; ● Partnership-meaning, types, registration, merits, limitations, type of partners; ● Cooperative Societies-types, merits and limitatins 	10	2	12
	Continued	<ul style="list-style-type: none"> ● Company : Private Ltd., Public Ltd.,-merits, limitatioans; ● Choice of form of Business organisations ● Starting of Business-Basic Factors 	08	2	10
	Unit 3 : Private, Public & Global Enterprises	<ul style="list-style-type: none"> ● Private Sector and Public Sector ● Form of organizing public sector enterprises ● Departmental Undertaking 	14	02	16

		<ul style="list-style-type: none"> ● Statutory Corporatuion ● Government Company ● Changing role of Pubulic sector 			
August 2008	Unit 4 : Business Service	<ul style="list-style-type: none"> ● Global Enterprises (Multinational Companies) : meaning and features, Joint ventures : meaning, benefits ● Nature and types of Business services -Banking ● Insurance, Transportation, Ware housing, Communication ● Banking-type of Banks, Functions of commercial banks, E-banking ● Insurance-principles, types : life, fire, and marine ● Postal and Telecom services ● Warehousing : type and functions 	04	02	06
			02	-	02
			16	2	18 2Pd Pr work
	Unit 5 : Emerging Modes of Business	<ul style="list-style-type: none"> ● E-Business-meaning, scope and benefits, Resources required for successful E-Business implementation. Online Transaction, Payment mechanism, security and safety of Business transactions; ● Outsourcing - Concept, need and scope 	10	02	12 2Pd Pr work
Sept. 2008	Unit 6 : Social Responsibility of Business and	<ul style="list-style-type: none"> ● Concept of social responsibility ● Case of social responsibility ● Responsibility toward owners, investors, employee ● Business and environmental protection ● Business Ethics : concept and elements 	12	02 2 Pd Pr work	14

	Part B : Corporare Organi- sation, Finance and Trade	Stages in formation of Company : <ul style="list-style-type: none"> ● Promotion ● Incorporation, and ● Commencement of business 	14	02 2 Pd Pr work	16
	Unit 7 : Formation of Company				
Oct. 2008	unit 8 : Sources of Business Finance	<ul style="list-style-type: none"> ● Nature of significance ● Owner' founds and borrowed founds ● Sources of Raising Finance : –Equity and Preference share –Global Depository Receipt, American Depository Receipt –Debentures and Bonds (For : Half yearly Exam) 	12	02	14
Nov. 2008	Unit 8 : (Continued)	<ul style="list-style-type: none"> –Retained Profits –Public deposits –Loan from Financial Institutions –Loans from Commercial Banks –Trade Credit 	05	01	06 2 Pd Pr work
	Unit 9 : Small Business	<ul style="list-style-type: none"> ● Small Scale Industry; Tiny Sector; cottage and rural industry; ● Role of small business in rural ● Problems of small business in India ● Government assistance and special schemes for industries in Rural, Backward and Hilly Areas. 	12	02	14 2 Pd Pr work

Dec. 2008	Unit 10 : Internal Trade	<ul style="list-style-type: none"> ● Meaning and type of internal trades : Whole sale and retail ● Services of whole seller and retailer ● Type of retail trade –itinerant retailers and fixed shop. ● Department store, super markets, malls chain store, mail order business, consumer cooperative store. ● Automatic Vending Machine ● role of chamber of Commerce and industry in promotion of internal trade. 	07	01	08
			08	02	10 2 Pd Pr work
Jan. 2008	Unit 11 : International Business	<ul style="list-style-type: none"> ● Meaning, Reasons, International Vs. Domestic Business Scope, Benefits to Nations. ● Way of entering in to international business. India's Involvement in World Business Export-Import Procedures and documentation, Foreign Trade Promotion. Organisational support and incentives; International Trade Institutions and Agreements : WTO, UNCTAD, World Bank, IMF. 	06	06	06
			06	02	08 2 Pd Pr work
	Unit 12: Project Work Business-II Note : 2 periods are provided for Project Work with each unit	<p>Suggestive/Illustrative Projects Any one of the following</p> <ul style="list-style-type: none"> ● Fine our from local sample business unit(s) the various objective they pursue ● Problems of setting up and running business units ● Enquiry in to the ethics of running business through questionnaires ● Survey of quality of bank services in the local branch office. ● Study Postal and Courier mail services. 			

Feb. 2009	(Continued)	<ul style="list-style-type: none"> ● Availability and use of agency services, advertising, investment in saving schemes, etc. ● Survey of popularity of Credit cards issued by different banks ● Study the profit of sole traders/partnership commenting on the nature and the working of business ● Study of Joint Hindu Famil Business ● Study of work of any co-operative society ● Study of small business units regarding source of finance ● Nature of different traders (like hawkers and peddlers in a specific locality) in issue of goods, capital investment, turnover. ● Study of weekly bazaar in a locality ● Study of franchise retail store ● Study of Export/Import of any article ● Problem of women entrepreneurs in business ● Waste/Garbage disposal ● Study of pavement trade ● Prepare a scrap book and collect articles on the changing role of public sector and any other topics related to the syllabus. Marks may be suitably distributed over the different parts of the Project Report (1) Objective, (2) Methodology, (3) Conclusions-finding and suggestions. 			
Feb. & March 2009	Revision Work Upto start of Session Ending Exam.	Total Periods	158	28	+22 Pr. Work =208

Split-up Syllabus For Session 2008-09 (Summer Sation)

Class XI

Accountancy

One Paper

3 Hours

100 Marks

Units	Periods	Marks
Part A : Financial Accounting-I		
1. Introduction to Accounting	14	7
2. Theory Base of Accounting	14	7
3. Recording of Business Transaction	26	16
4. Trial Balance and Rectification of Errors	22	8
5. Depreciation, Provision and Reserves	22	12
6. Accounting for Bills of Exchange Transactions	22	10
	<hr/>	<hr/>
	120	60
	<hr/>	<hr/>
Part B : Financial Accounting-II		
7. Financial Statements	44	25
8. Accounting from Imcomelete Records	8	5
9. Computer in Accounting	18	6
10. Accounting and Database System	18	4
	<hr/>	<hr/>
	88	40
	<hr/>	<hr/>

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
June 2008	Part A : Financial Accounting-I Unit 1 : Introduction of Accounts	<ul style="list-style-type: none"> Accounting-meaning, objectives as source of information, internal and external user of Accounting information and their needs. Qualitative characteristics of accounting information-reliability, relevance, understandability. 	6	-	6
July 2008	Unit 2 : Theory Base of Accounting	<ul style="list-style-type: none"> Basic Accounting Terms-Asset, Liability, Capital, Expense, Income, Expenditure Revenue, Debtors, Creditors, Goods, Cost, Gain, Stock, Purchase, Sale, Loss, Profit, Voucher, Discount, Transaction, Drawings. Accounting Principles-meaning and nature Accounting Concepts: Entity, Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition (Realisation), Matching, Accrual, Full Disclosure, Consistency, Conservatism, Materiality Accounting Standards-Concept Process of accounting-from recording of business transactions to preparation of trial balance. Base of Accounting-Cash Basis, Accrual Basis 	6 12	2 2	8 14
	Unit 3 : Recording of Business Transaction	<ul style="list-style-type: none"> Voucher and Transactions : Origin of Transaction-Source Document and Voucher, Preparation of accounting vouchers; Accounting Equation Approach-Meaning and Analysis of transaction using Accounting Equation: Rules of Debit and Credit. 	13	2	15

August 2008	Continued	<ul style="list-style-type: none"> Recording of transactions: Book of original entry-Journals, Special purpose books: (i) Cash Book-Simple, Cashbook with Bank Column and petty Cashbook, (ii) Purchase Book, Sale Book Purchase Return Book, Sales Return Book. 			
Sept. 2008	Recording of Business Transaction	<ul style="list-style-type: none"> Ledger-meaning, utility, format; Posting from Journals and Subsidiary books; Balancing of Accounts. Bank Reconciliation Statement; Meaning Needs and Preparation, Corrected Cash Balance. 	9	2	11
	Unit 4 : Trial Balance and Rectification of Errors	<ul style="list-style-type: none"> Trial Balance : meaning, objectives and preparation. Errors : Type of Errors; errors affecting Trial Balance errors not affecting Trial Balance. Detection and Rectification of Errors (One Sided and Two Sided); use of Suspense Account. 	20	2	22
Oct. 2008	Unit 5: Depreciation, Provisions and Reserves	<ul style="list-style-type: none"> Depreciation: Meaning and need for charging depreciation, factor affecting depreciation, methods of depreciation Straight Line method, Written down Value to asset account, creating provision for depreciation/ accumulated depreciation accounts; Treatment of disposal of asset. Provision and Reserves: meaning, importance, differences between Provision and Reserve, type of Reserves: Revenue Reserve, Capital Reserve, General Reserve, Specific Reserve and Secret Reserves. <p>(For: Half Yearly Examination)</p>	20	2	22

Nov 2008	Unit 6. Accounting for Bills of Exchange Transactions (Continued)	<ul style="list-style-type: none"> ● Bills of Exchange and Promissory Note: definition, features, Parties, specimen and distinction . ● Important Terms: Terms of Bill, Concept of Accommodation Bill, Days of Grace, Date of Maturity, Bill at Sight, Negotiation, Endorsement, Discounting of Bill, Dishonour, Retirement and Renewal of a Bill. ● Accounting treatment of trade bills is Accomtiom bill 	06 12	01 03	07 15
Dec 2008 Dec. 2008	Part B: Financial Accounting-II Unit 7 : Financial Continued Unit 8 Accounts from Incomplete records	<ul style="list-style-type: none"> ● Financial statements: Meaning and users. ● Distinction between Capital Expenditure and Revenue Expenditure ● Trading and Profit and Loss Account : Gross Profit, Operating Profit; Net Profit. ● Balance Sheet: need,grouping and marshalling of Assets and Liabilities, Vertical Presentation of Financial Statement. ● Adjustments in preparation of Financial Statements. with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, Income received in advance, depreciation and bad debts, provision for doubtful debt, provision for discount on debtors manager's commission. ● Preparation of Trading and Profit & Loss account and Balance Sheet of sole proprietorship. ● Incomplet records: nening uses and Coneributins acertaianed of Erfitloss by stilt and affirm method. 	04 08 08 18 06	- 02 02 2 -	04 10 10 20 06

Jan. 2009	Unit 9: Computer in Accounting	<ul style="list-style-type: none"> ● Introduction to Computer Accounting Information System (AIS) ● Application of Computers in Accounting: Automation of Accounting process, designing accounting reports, MIS reporting, data exchange with other information. ● Comparison of accounting processes in manual and computerized accounting highlighting advantage and Limitation of automation. 	13	04	17
	Unit 10 : Accounting and Database System	<ul style="list-style-type: none"> ● Sourcing of Accounting System: ready made and customized and tailor-made accounting system. Advantage and Disadvantage of each option. 	5	2	7
		<ul style="list-style-type: none"> ● Accounting and Database Management System. ● Concept of Entity and relationship: Entities and relationship in an Accounting System : ● Desingnine and creating simple tables, forms, queries and reports in the context of Accounting System. 	11	9	20
February & March 2008 (Upto start of final examination)	Revision Work	Total Periods	170	38	208

Split-up Syllabus For Session 2008-09 (Summer Schools)

Economic - Class : XI

Paper One

Time : 3 Hours

Marks : 100

Units	Topics	Marks	Periods CBSE
Part A	Statistics for Economics		
	1. Introduction	03	05
	2. Collection, organization & Presentation of Data	12	25
	3. Statistical Tools and Interpretation	30	64
	4. Development project in economics	05	10
		50	104
Part B	Indian Economic Development		
	5. Development Oplicies and Experience (1947-90)	10	18
	6. Economic Reforms since 1991	08	14
	7. Current Challenges facing Indian Economy	25	60
	8. Development experience of India-A comparison with neighbours	07	12
		50	104

Sr. No	Month	Unit/Topic	Split-up - Detail	Periods Available	Period for Comp.Aided Teaching	Total No. of Days
1.	June & July	1. Introduction 2. Collection, Organization and Presentation of data	What is Economic? Meaning, scope and importance of statistics in Economics Collection of data-sources of data-primary and secondary; how basic data is collected; methods of collecting data; some important sources of secondary data; census of India and National Sample Survey Organization. Organization of data : meaning and types of variables; Frequency Distribution Presentation of data: tabular Presentation and diagrammatic presentation of data : (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph).	45	04	30
2.	Aug.	3. Statistical tools and Interpretation 1. Statistical tools and Interpretation continued 2. Development Policies and Experience (1947-90)	Measures of Central Tendency-mean (simple and weighted), median and mode Measures of Dispersion-absolute dispersion (range, quartile deviation, mean deviation and standard deviation); A brief introduction of the state of Indian economy on the eve of independence	35	04	23
3.	Sept.	1. Statistical tools and Interpretation continued	Relative dispersion (Coefficient of quartile deviation, coefficient of mean deviation, coefficient of variation) Lorenz Curve : Meaning and its application. Correlation-	31	04	21

		2.Development Policies and Experience (1947-90) continued	meaning, scatter diagram;measures of correlation- Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation. Common goals of five years plans-Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy,etc.), industry (industrial licensing, etc.) and foreign trade			
4.	Oct.	1. Economic reforms since 1991 2. Current challenges facing Indian Economy	Need & main features-liberalization, globalization and privatization; An appraisal of LPG policies Poverty-absolute and relative; main programmes for poverty alleviation : A critical assessment; Rural development : Key issues-credit and marketing-role of cooperatives; agricultural diversification; alternative farming-organic farming; Human capital formation : how people become resource; role of human capital in economic development; growth of education sector in India.	27	04	18
			Autumn Break - 13-10-2007to 22-10-2007 - 10 Days			
5.	Nov.	Statistical tools and Interpretation continued	Employment : growth, information and other issues, Problems and policies. Introduction to Index Numbers- meaning, types-wholesale price index, consumer price index and index of industrial production, uses of index numbers; inflation and index numbers.	32	02	22
6.	Dec.	1. Developing Projects in Economics	The students may be encouraged to develop projects ,which have primary data, secondary data or both. Case studies			

		2. Current challenges facing Indian Economy continue	<p>of a few organizations/ outlets may also be encouraged. Some of the examples of the projects are as follows (they are not mandatory but suggestive):</p> <ul style="list-style-type: none"> (i) A report on demographic structure of your neighbourhood; (ii) Consumer awareness amongst households (iii) Changing prices of a few vegetables in your market (iv) Study of a cooperative institution : milk cooperatives <p>The idea behind introducing this unit is to enable the students to develop the ways and means by which a project can be developed using the skills learned in the course. This includes all the steps involved in designing a project starting from choosing a title, exploring the information relating to the title, collection of primary and secondary data, analyzing the data, presentation of the project and using various statistical tools and their interpretation and conclusion.</p> <p>Infrastructure: Meaning and types: Case Studies; Energy and Health; Problems and Policies-A critical assessment.</p>			
7.	Jan.	<p>1. Current challenges facing Indian Economy continue</p> <p>2. Development Experience of India</p>	<p>Sustainable Economic Development Meaning : effects of Economic Development on Resources and Environment.</p> <p>A comparison with neighbours-India and Pakistan; India and China-Issues : growth, population, sectoral development and other development indicators.</p>			
8.	Feb.	Revision for Session Ending Examination				

Split Up Syllabus for the Session 2008-09

Class-XI

Informatics Practices

Summer Schools

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
June & July	Unit 1 : Computer System and Business Applications	<p>Evolution of computers; Basics of computer and its operation: Functional Components and their inter-connections, Concept of Booting; Hardware concepts: Diagram illustrating main parts of computers; Central Processing Unit(CPU): Arithmetic Logic Unit (ALU), Control Unit, Memory Unit(RAM-Random Access Memory & ROM- Read Only Memory)</p> <p>Role of Input, Processing and Output Devices in a computer system Input devices: Keyboard, Mouse, Light pen, Touch Screens, Graphics Tablets, Joystick, Mic ,MICR, OCR, Scanner, Smart Card Reader, Barcode reader, Biometric sensor, web camera, digital camera; Output Devices: Monitor/Visual Display Unit(VDU), Printer (Dot Matrix Printer, Desk Jet/Ink Jet/ Bubble Jet Printer, Laser Printer), Plotter, Speaker, LCD(Liquid Crystal Display)</p> <p>Secondary Storage Devices: Floppy Disk, Hard Disk, Magnetic Tape, Digital Video Disk (DVD), Binary Digit, Byte, Kilobyte, Megabyte, Gigabyte Software</p>	25	20	45

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
		<p>Concepts. Optical Disk. Types of Software: System Software, utility Software and Application Software.</p> <p>System software: Operating system, Language Processors, compilers, Interpreters and Assembler;</p> <p>Operating System : Need of operating sustem, Functions of operating system.</p> <p>Utility Software: Comression tools, Anti Virus, File Management tools, and Disk Management tools.</p> <p>Application Software as a tool: Word Processor, Presentation Tool, spreadsheet, Package, Database Management System; Business Software (for example : Inventory Management System, Payroll System, Financial Accounting, Hotel Management, and Reservation System); -Development of programming languages-Machine Language, Assembly Language, High Level Language (BASIC, COBOL, FORTRAN, PASCAL, C++); GUIbased languages-Visual Basic, Visul C++, C#, Java, vb.net</p> <p>GUI Operating System</p> <p>Important : Students/Teachers can also perform similar operation on any operating system. It is advised that the teacher while using any one operating system, give a demonstration of equivalent features for the other operating systems.</p>			

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
August	Unit 1 : Computer System & Business Applications	<p>Windows General features, Elements of Desktop- Taskbar, Icon, Start button, Shortcuts, Folder Recycle Bin, My Computer; Start Menu : Program, Documents, Start Menu : Program, Documents, Setting, Find/Search, Help, Run, Shut Down/Logoff; Customization of Taskbar, Start Menu, Display properties (Wallpaper, Font, Settings, Color, Settings, Screen Savers); Program Menu : Accessories - Calculator, Notepad, Paint, WordPad, Media Player, Volume Controller); Internet Browsers Mozilla Firefox, Internet Explorer, Netscape Navigator Control Panel : Add new hardware, Add new Sound Recorder, Media Player, Volume Controller) ; Internet Browsers Mozilla Firefox, Internet Explorer, Netscape Navigator, Control Panel: Add new hardware, Add new Software, Printer Inatallation, Date/ Time, Mouse, and Regional Settings.</p> <p>Documentation Purpose of using word processing software, opening a new/exosting document, closing a document, typing in a document, saving a document, print preview, printing a document, copying selected text, cutting selecting text. Inseriting symbol; Formatting: Alignment - Left, Right, Center; Justification; Industries and</p>	17	18	35

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
	Unit 2 : Introduction to Programming	<p>Business Computing: Types of Industries (Production, Shipping, Travel ,Hotel Insurance, Construction, Automobile), Applications of Business Computing in Industries.</p> <p>UNIT 2 : INTRODUCTION TO PROGRAMMING</p> <p>Programming Methodology : General Concepts; Clarity and Simplicity of Expression, Names, Clarity and Simplicity of Expressions, Names, Comments, Indentation; Documentation and Program Maintenance; Errors, Running and Debugging programs, Syntax Run-Time Errors, Logical Errors.Guidelines to Minimize Operational Errors.</p> <p>Detailed Split Up Syllabus Problem Solving Methodlogy and Techniques. Understanding of the problem, Identifying minimum nnumber of inputs required for output, Step by step solotion for the problem, breaking down solution into simple steps, Identification of arithmetic and logical operations required for solution, Using Control Structure: Conductional control and looping (finite and infinite);</p>	5	2	7
Sept.	Unit 2 : Introduction on to Programming continue	<p>Programming Tool: Visual Basic Introduction to Programming-Modular Programming, Object Oriented Programming, Event Driven Programming; About Visual Basic (Object Based</p>	12	15	27

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
Oct. July	Unit 2 Continue	<p>Programming Language), Rapid Application Development using Visual Basic; Concept of Project in Visual Basic, VB Project Options - Standard EXE, Active X DLL, Active X EXE, Active X Control, Active X Document DIL, Active X Document EXE, Addin, VB Application Wizard, IIS Application, DIITMLApplication; Getting Familiar with Visual Basic User Interface- Pull Downmenus, Toolbox, Project Explorer, Properties Window, Form Layout window, Form, Immediate window, Form, Immediate window; Opening and Closing windows, Resizing and moving windows, Docking windows; Quitting. Visual Basic Tool Box (Standard Window Controls)- Pointer, Picture Box, Label, Text Box, Frame, Command Button, Check Box, Option Button, Combo Box, List Box, Horizontal Scrollbar, Vertical, Scrollbar, Timber, Drive List Box, Directory List Box, File List Box, Shape, Line, Image, Date, OLE; Object Naming Connections, Event Procedures;</p> <p>Programming Fundamentals Data Types: Integer, Long, Single, Double, Currency, String, Byte, Boolean, Date, Object Variant; Variables: Needs to use variable, Declaring Variables, Variable Naming Convention, Assigning value to Variables, Data</p>	18	14	32

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
		<p>Types of variable, Scope and lifetime of Variable (Public and Private);</p> <p>Control Structures:</p> <p>Decision Structure - IF, IF- THEN-ELSE, Select Case:</p> <p>Looping Structure - Do While.....Loop, Do.....Loop While, For.....Next, For Each.....Next;</p> <p>Menu Editor: Concept of Menus, Shortcut menu and Popup menus Designing Menu, System, Menu Editor Dialog Box Options (Name, Index, Shortcut, Help Context ID, Negotiate Position, Checked, Enabled, Visible, Window List, Right Arrow, Left Arrow, Up Arrow, Down Arrow, Menu List, Next, Insert Delete OK, Cancel), To Create Menu Controls in the Menu Editor, Menu Naming Conventions. Setting the Name Property, Creating a Menu Controls Array. Creating Sub Menus, Separating Menu Controls. Assigning, Access, Keys and Short Cut Keys,Controlling Menus Control, Making a Menu Control Invisible, Adding Menu Control at Runtime, Displaying Pop-Up Menu;</p> <p>General Controls (Advance): Image, List, Common Dialog Box, ADO DC, DB Combo, Media Player Control, DB Girid;</p>			

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
November		<p>Adding a Toolbar : Creating an Image List, Adding Images to the Toolbar, To Add Code for the Toolbar Buttons; Adding Status Bar : Adding Time on the panel. Dialog Boxes: Pre-defined dialog box, Custom dialog box;</p> <p>Database Management System</p> <p>Introduction to database concepts: relation/ Table, attribute, Tuple/ Rows, field Data, Concept of String, Number and Date Values, Dats type and Data Integrity (Domain and Referential integrity). Candidate key, Alternaties key, Primary key, Foreign keys, Data Nomalization first, second, third, BCNF normal form ; Examples of Commercially a vailable Database Management System's (Back- End) - Oracle, MS-SQL Server, DB2, MySQL, Sybase, INGRES. Examples of Front end End Software's Oracle Developer, Visual Basic, Visual C++, Power Builder, Delphi.</p> <p>RDBMS TOOL:</p> <p>Interface with Oracle, Login Screen, Entering Name and Password; Classifiication of SQL Statement : DML (SELECT, INSERT, UPDATE, DELETED) DDL (CREATE, DROP, ALTER, RENAME, TRUNCATE), DCL (CRANT, REVOKE), TCL (COMMIT, ROLLBSCK); SQL SELECT Selecting All the Columns, Selecting Specific Column, Column Heading Default, Using</p>	12	10	22
November					

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
December	Unit 3 Continue	<p>Arithmetic Expressions, Defining and using Column Alias, Concatenation Operator (11), Duplicate rows and their Elimination (DISTINCT keyword), Role of SQL and SQL* Plus in interacting with RDBMS, Displaying Table Structure (DESC command).</p> <p>SELECT Statement Continued : Limiting Rows selecting (using WHERE clause), Working with Character Strings and Dates, Using Comparison operators, BETWEEN operator, IN Operator, LIKE Operator, IS NULL, Comparison, Logical Operators, Use of Logical Operator Precedence, ORDER BY Clause, Sorting in Ascending/ Descending Order, Sorting By Column Alias Name, Sorting On Multiple Columns;</p> <p>Functions : SQL Functions, Character Functions (Case Conversion/Descending Order, Sorting By Column Alias Name, Sorting On Multiple Columns;</p> <p>Functions : SQL Functions, Types of SQL Function (Single Row/Multiple Row), Single Row SQL Functions, (Character Functions (Case Conversion/Character Manipulation), Case Conversion Functions (lower (), Init Cap (), UPPER())</p> <p>Character Manipulation Function (CONCAT(), INSTR(), LENGTH (), TRIM () SUBSTR (), LPAD (), Number Functions (ROUND(), TRUNC ())) Arithmetic Operation on Dates, Date Functions and their Usage, Data, Type</p>	13	14	27

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
January 2009	Unit : 3 Continue	<p>Conversion Functions, Implicit and Explicit Conversion, TO CHAR Function with Dates, TO DATE Function numbers, TO NUMBER and TO DATE Function, NVL Function and its usage, DECODE Function and its Usage.</p> <p>Grouping Records: Concept of Grouping Record and Nested Grouping, Nested Grouping Record for records, Group Functions, Types of group function (MAX (), MIN (), AVG (), SUM (), COUNT ()),</p> <p>Using AVG and SUM Functions. Using M/N and MAX Functions.</p> <p>Using the COUNT Function and using count (*). DISTINCT Clause with COUNT, Group Functions and Null Values, Using NVL Function with Group Functions, Grouping By Clause, Grouping By More than one Column, Illegal Queries with Group By Clause, Excluding Group Results: Having Clause, Nesting Group Functions,</p> <p>Sub Queries: Concept of Sub-Query, Sub Query to Solve a Problem, Guidelines for Using Sub Queries, Types of Sub-Queries (Single Row and Multiple Row) and (Single Column and Multiple Column); Single Row Sub-Query and its Execution;</p> <p>Displaying Data From Multiple Tables: Concept of Join, Result of Join, Cartesian Product and Generating</p>			

Month	Name of the Topic	Detailed Split Up Syllabus	Periods for Class Room Teaching	Suggested Computer Aided Teaching	Total Periods
January 2009	Unit : 3 Continue	<p>Cartesian Product example using Mathematical Search Conditions using Mathematical Set Types of Join (EQUI, SELF, NON EQU, OUTER (LEFT and RIGHT), Equi-join: Retrieving records with Equi-join, Additional Search Conditions using AND operator, Short Naming Convention for Tables (Table Aliase), Non-Equi join and its Implementation, Outer-Join and its Usage, Self-Join (Joining a table to itself);</p> <p>Manipulating Data of A Table/Relation: Concept of DML (Data Manipulation Language), INSERT Statement, Inserting New Rows, Inserting New Rows with Null Values, Inserting Date Values, Use of Substitution Variable to Insert Values, Copying Row from another Table, Update Statement to Change Existing Data of a Table, Updating Rows in a Table, Updating Rows based on another Table, Delete statement/ Removing Row/ Rows from a Table, Deleting Rows Based on condition from another Table Making Data Manipulation Permanent (COMMIT). Undo Data Manipulation Changes (ROLL BACK)</p> <p>Data base Objects : View, Table Sequence, index and Synonyms, DDL, (Data Definition Language), Naming Convention, Creating Synonyms, Simple Views and Complex Views, Retrieving Data from a View, Querying a View, Modifying a View, Including DROP TABLE & DROP VIEW Command Transaction Control Language (TCL) & Data Control Language (DCL).</p>	17	20	37