

SUBJECT : ENGLISH CORE

SUBJECT CODE : 301

Unit No	Name of the Chapter/Unit	Marks
01	Reading Skills <ul style="list-style-type: none"> Unseen passage to assess comprehension ,interpretation ,analysis , inference and vocabulary. Unseen case-based factual passage 	22 (12+10)
02	Creative Writing Skills <ul style="list-style-type: none"> Notice Invitation-Formal and Informal and Reply Letter writing (To the Editor),Application for Job Report writing and Article writing 	18
03	Literature Text Book and Supplementary Reading Text <ul style="list-style-type: none"> Flamingo Vistas 	40
	Total	80
01	Internal assessment <ul style="list-style-type: none"> i. Listening ii. Speaking iii. Project Work 	5 5 10

Month	Flamingo/ Vistas	Reading &Advanced Writing Skills	Activities/Projects
April	<ul style="list-style-type: none"> i. The Last Lesson (Prose) ii. My Mother at Sixty-Six (Poem) iii. The Third Level (Prose) 	Short Writing Task: <ul style="list-style-type: none"> i. Notice writing (notice for meeting, notice for events like Competition/ Tour/Celebration/Annual Sports/Cultural Events etc. Notice for Lost and Found) 	<ul style="list-style-type: none"> i. Assignment- Write a letter to the Editor highlighting/ expressing views on 'Linguistic Chauvinism in the Present Scenario of Academic Life' ii. Assignment- Create a flow chart of events in the story 'The Third Level'. iii. Art Integrated Project – Based on the poem' My Mother at Sixty Six'
May	<ul style="list-style-type: none"> i. Lost Spring (Prose) ii. The Tiger King (Prose) 	<ul style="list-style-type: none"> i. Formal Invitation & Reply ii. Unseen passage to assess Comprehension, interpretation and inference. 	<ul style="list-style-type: none"> i. Discussion on Health hazards of Child Labour. (LOST SPRING) ii. Poster on Child labour. (LOST SPRING) iii. Collect the data regarding government and NGOs activities to save tigers in

Month	Flamingo/ Vistas	Reading & Advanced Writing Skills	Activities/Projects
		iii. Unseen passages: case-based passage with verbal/ visual inputs like statistical data, charts etc.	India with the help of internet and library. (TIGER KING) iv. Article writing on Child Labour.
June	i. Deep Water (Prose) ii. Keeping Quiet (Poem) iii. Journey to the End of the Earth	i. Informal Invitation and Reply ii. Letter Writing: Letter Based On Verbal/Visual Input	i. Find the personalities and events from the history of sports, music, dance etc. which proves that practice makes a man perfect. For example, life of Sachin Tendulkar, Sudha Chandran etc. ii. Write an article for your school magazine on the topic : Live and Let live. (Reference: Tiger King and Keeping Quiet) iii. Practice of drafting Invitation for different occasions and their replies.
July	i. A Thing of Beauty (Poem) ii. The Enemy (Prose) III .The Rattrap(PROSE)	i. Application for job with bio data or resume. ii. Letter to the Editor giving suggestion or opinion on issues of public interest.	Assessment Tool: i. Oral Test ii. Written class test. iii. Write your point of view on the decision taken by Dr. Sadao. Write imaginary dialogues between Dr. Sadao and his wife on whether to save American soldier or not.
August	i. Indigo (Prose) ii. Poets and Pancakes (Prose)	Long compositions i. Article / Report writing, descriptive and analytical in nature based on verbal inputs.	i. Documentary film on Gandhi ji showing contribution on Indian National Movement may be shown. ii. Write an article on the importance of peace and the right way to resolve issues with reference to the chapters Keeping Quiet and Indigo.

Month	Flamingo/ Vistas	Reading & Advanced Writing Skills	Activities/Projects
September	i. A Roadside Stand Revision TERM 1 EXAMINATION	i. Revision (Writing Skills)	ALS Practice.
October/ November	i. The Interview (Prose) ii. Aunt Jennifer's Tigers (Poem) iii. Going Places (Prose) iv. On the face of It. (Play) v. Memories of Childhood <ul style="list-style-type: none"> The Cutting of My Long Hair We Too Are Human Beings 	Practice of i. Unseen passages ii. Discussion and practice on Report writing.	i. Group discussion on Condition of Women in the contemporary society, Gender Discrimination & Things that hurt disabled people. ii. Find the difference of present-day women to Aunt Jennifer's as described in the poem Aunt Jennifer's tigers. iii. Prepare a motivational speech on behalf of Mr. Lamb to a group of differently able students urging them to be positive in their approach to life. iv. As a social activist, write an article to a newspaper on the need to empower women. (Reference: Going Places and Aunt Jennifer's Tigers.) v. Project work to be assigned.
December	PREBOARD EXAM 1	<ul style="list-style-type: none"> Discussion and practice of unseen passages. Practice of Notice, Invitation, Letters and Report writing. Project work 	
January	PREBOARD EXAM 2	REVISION	

SUBJECT - MATHEMATICS (041)

MONTH	TOPIC
MARCH, APRIL	Unit-II : Algebra 1. Matrices Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries). 2. Determinants Determinant of a square matrix (up to 3×3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.
MAY	Unit-I : Relations and Functions 1. Relations and Functions Types of relations : reflexive, symmetric, transitive and equivalence relations. One to one and onto functions. 2. Inverse Trigonometric Functions Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions Unit-V : Linear Programming 1. Linear Programming Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).
JUNE	Unit-III : Calculus (Continued) 1. Continuity and Differentiability Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like $\sin^{-1}x$, $\cos^{-1}x$ and $\tan^{-1}x$, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives.
JULY, AUGUST	Unit-III: Calculus 2. Applications of Derivatives Increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).

JULY, AUGUST	<p>3. Integrals</p> <p>Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.</p> $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}},$ $\int \frac{px+q}{ax^2+bx+c} dx, \int \frac{(px+q)}{\sqrt{ax^2+bx+c}} dx, \int \sqrt{a^2 \pm x^2} dx,$ $\int \sqrt{x^2 - a^2} dx, \int \sqrt{ax^2 + bx + c} dx$ <p>REVISION AND TERM-I EXAMINATION</p>
SEPTEMBER	<p>Unit-III : Calculus</p> <p>Definite Integral : Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.</p>
OCTOBER	<p>Unit-III : Calculus</p> <p>4. Applications of the Integrals</p> <p>Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)</p> <p>5. Differential Equations</p> <p>Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type:</p> $\frac{dy}{dx} + py = q, \text{ where } p \text{ and } q \text{ are functions of } x \text{ alone or constants.}$ $\frac{dx}{dy} + px = q, \text{ where } p \text{ and } q \text{ are functions of } y \text{ alone or constants.}$ <p>Unit-IV : Vectors and Three-Dimensional Geometry</p> <p>1. Vectors</p> <p>Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.</p>
NOVEMBER	<p>Unit-IV : Vectors and Three-Dimensional Geometry</p> <p>2. Three - dimensional Geometry</p> <p>Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines.</p> <p>Unit-VI : Probability</p> <p>1. Probability</p> <p>Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable</p>
DECEMBER	REVISION AND PREBOARD EXAMINATION

BLUE PRINT OF FIRST TERMINAL EXAMINATION'2025-26

Subject : Mathematics

SR. NO	UNIT/CHAPTERS	VSA (01 MARK)	VSA (02 MARKS)	SA (03 MARKS)	SA (04 MARKS)	LA (05 MARKS)	TOTAL MARKS & NUMBER OF QUESTIONS
1	RELATIONS AND FUNCTIONS	03	---	---	---	01	08 (4Q)
2	INVERSE TRIGONOMETRIC FUNCTIONS	02	01	---	01	---	08 (4Q)
3	MATRICES	03	---	01	01	....	10 (5Q)
4	DETERMINANTS	03	01	---	---	01	10 (5Q)
5	CONTINUITY AND DIFFERENTIABILITY	03	01	02	---	---	11 (6Q)
6	APPLICATION OF DERIVATIVES	02	01	01	01	01	16 (6Q)
7	INDEFINITE INTEGRATION	02	01	01	---	01	12 (5Q)
8	LINEAR PROGRAMMING	02	....	01	.....	.....	05 (3Q)
	TOTAL	20Q	05Q	06Q	03Q (CASE STUDY)	04Q	80 (38Q)

BLUE PRINT OF PRE-BOARD EXAMINATION'2025-26

Subject : Mathematics

UNIT NO.	UNIT	VSA (01 MARK)	VSA (02 MARKS)	SA (03 MARKS)	SA (04 MARKS)	LA (05 MARKS)	TOTAL MARKS & NUMBER OF QUESTIONS
1	RELATIONS AND FUNCTIONS	01	01	---	---	01	08 (03Q)
2	ALGEBRA	05	.....	---	.....	01	10 (6Q)
3	CALCULUS	06	04	04	01	01	35 (16Q)
4	VECTORS AND THREE-DIMENSIONAL GEOMETRY	05	....	---	01	01	14 (07Q)
5	LINEAR PROGRAMMING	02	....	01	---	---	11 (03Q)
6	PROBABILITY	01	.....	01	01	....	08 (03Q)
	TOTAL	20Q	05Q	06Q	03Q (Case Study)	04Q	80 (38Q)

SUBJECT – PHYSICS

UNIT NO.	NAME OF UNIT	HALF YEARLY	PRE BOARD
Unit-I	Electrostatics		16
	Chapter-1: Electric Charges and Fields	10	
	Chapter-2: Electrostatic Potential and Capacitance	10	
UNIT II	Current Electricity		
	Chapter-3: Current Electricity	10	
UNIT –III	Magnetic Effects of Current and Magnetism		17
	Chapter-4: Moving Charges and Magnetism	15	
	Chapter-5: Magnetism and Matter	5	
UNIT –IV	Electromagnetic Induction and Alternating Currents		
	Chapter-6: Electromagnetic Induction	10	
	Chapter-7: Alternating Current	10	
UNIT –V	Electromagnetic Waves		
	Chapter-8: Electromagnetic Waves		18
UNIT –VI	Optics		
	Chapter-9: Ray Optics and Optical Instruments		
	Chapter-10: Wave Optics		
UNIT –VII	Dual Nature of Radiation and Matter		12
	Chapter-11: Dual Nature of Radiation and Matter		
UNIT – VIII	Atoms and Nuclei		
	Chapter-12: Atoms		
	Chapter-13: Nuclei		
UNIT – IX	Electronic Devices		7
	Chapter-14: Semiconductor Electronics: Materials, Devices and Simple Circuits		
TOTAL		70	70

Physics Exam Marking Scheme

Sections	Number of questions	Marks Allotted
Section-A	16 (12 MCQs and 4 Assertion Reasoning)	$16 \times 1 = 16$
Section-B	5 Questions	$5 \times 2 = 10$
Section-C	7 Questions	$7 \times 3 = 21$
Section-D	2 Case Study Based Questions	$2 \times 4 = 8$
Section-E	3 Long Answer Questions	$3 \times 5 = 15$

SUBJECT : CHEMISTRY (THEORY)

Chapter	Month.	Weightage (HY)	Weightage (PREBOARD)
1.Solutions	April	12	7
2.Electrochemistry	May- June.	15	9
3.Chemical kinetics	June- July	12	7
4.The d- and f- block elements	July.	12	7
5.Coordination compounds	August	11	7
10. Biomolecules	August	8	7
6.Haloalkenes&Haloarenes	October		6
7.Alcohols, Phenols&Ethers	October		6
8.Aldehydes&Ketones	November		8
9.Amines	December		6

Question Pattern

There will be no overall choice. However, internal choices will be there.

Type	Marks for each question	Number of questions	Total marks
MCQ (including 4 AR Type)	1	16	16
SA-I	2	5	10
SA-II	3	7	21
Case based	4	2	08
Long answer	5	3	15
Total			70

SUBJECT - BIOLOGY

MONTH	TOPIC	HALF YEARLY MARKS	PRE-BOARD /BOARD MARKS
APRIL	Ch-1 Sexual Reproduction in Flowering Plants	12	6
MAY	Ch-2 Human Reproduction	12	6
JUNE	Ch-3 Reproductive Health	6	4
JULY	Ch-4 Principles of Inheritance and Variation	12	8
	Ch-5 Molecular Basis Of Inheritance	12	8
AUGUST	Ch-6 Evolution	4	4
	Ch-7 Human Health and Disease	6	6
	Ch-8 Microbes in Human Welfare	6	6
SEPTEMBER	Half Yearly Exam	70	
OCTOBER	Ch-9 Biotechnology: Principles and Processes		6
	Ch- 10 Biotechnology and Its Application		6
NOVEMBER	Ch-11 Organisms and Populations		3
	Ch-12 Ecosystem		3
	Ch-13 Biodiversity and Its Conservation		4
DECEMBER	Pre Board Exam		70

BLUEPRINT

Marks per Question	No. of questions	Total marks
1 mark (MCQ)	16	16
2 marks (VSA)	5	10
3 marks (SA)	7	21
4 marks (case-based)	2	8
5 marks (LA)	3	15
Total	33	70

SUB : COMPUTER SCIENCE WITH PYTHON (083)

MONTH	PORTION
APR	Revision of Python <ul style="list-style-type: none"> Revision of Python topics covered in Class XI. User Defined functions in Python <ul style="list-style-type: none"> Functions : types of function (built in functions, functions defined in module, user defined functions), creating user defined function
MAY	User Defined functions in Python Contd. <ul style="list-style-type: none"> Arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)
JUN	Exception Handling <ul style="list-style-type: none"> Introduction Errors in Python and Debugging (Syntax Error, Run-time Error, Logical Error) What is Exception Handling & Standard Exceptions in Python Handling Exceptions in Python Use of raise, assert and try...except with finally block File handling in Python <ul style="list-style-type: none"> Introduction to files, types of files (Text, Binary, CSV), relative and absolute paths Text file : opening, text file modes (r, r+, w, w+, a, a+), closing a text file, opening file using with clause, writing/appending data using write() and writelines(), reading from a textfile using read().
JUL	File handling in Python Contd. <ul style="list-style-type: none"> Text file contd. : Use readline () and readlines(), seek and tell methods, manipulation of data in a textfile. Binaryfile : basic operations on a binary file:open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/ create, search, append and update operations in a binary file
AUG	Data Structure in Python <ul style="list-style-type: none"> CSV file : import csv module, open / close csv file, write into a csv file using csv.writer() and read from a csv file using csv.reader() Data Structure in Python <ul style="list-style-type: none"> DataStructure : Stack, operations on stack (push&pop), Implementation of stack using list. Implementation of stack using list& Dictionary.
SEP	<ul style="list-style-type: none"> Revision of First Terminal (Syllabus of Term-1) Database Management <ul style="list-style-type: none"> Database concepts : introduction to database concepts and its need Relational data model : relation, attribute, tuple, domain, degree, cardinality, keys (candidate, primary, alternate, foreign, composite)

OCT	<p>Database Management Contd.</p> <ul style="list-style-type: none"> SQL : Introduction to DDL and DML, data type (char(n), varchar(n), int, float, date), constraints(not null, unique, primarykey), create database, Use database, show database, drop database, show tables, create table, describetable, altertable (add & remove an attribute, add & remove primarykey), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct, where clause, in, between, order by, meaning of null, is null, is not null, like, not like etc. Update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins : Cartesian product on two tables, equi-join and natural join. <p>Python MySQL Connectivity</p> <ul style="list-style-type: none"> Interface of python with an SQL database : connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using fetchone(), fetchall(), rowcount, creating database connectivity applications
NOV	<ul style="list-style-type: none"> Evolution of networking : computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) Transmission media : Wired media (Twisted pair, Co-axial, Fiber-optic), Wireless media (Radio waves, Micro waves, Infrared waves) Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WiFi card) Network topologies and Network types : types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) Network protocol : HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP <p>Introduction to web services : WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting</p>

BLUE PRINT OF HY (As per CBSE Sample Question Paper)

Subject: Computer Science

STD-XII

Full Marks:70 (Theory)+30

(Practical)

Unit	Chapter Name	Total Marks Unit-Wise	No. of Questions Carrying(1Mark)	No. of Questions Carrying(2 Mark)	No. of Questions Carrying(3 Mark)	No. of Questions Carrying(4 Mark)	No. of Questions Carrying(5 Mark)	Total N Quests(Mar
1	Revision of Python topics covered in Class XI & Functions(types of function (built-in functions, functions defined in module, user defined functions), Exception Handling: Introduction, handling exceptions using try-except-finally blocks	30	9(9)	3(6)	2(6)	1(4)	1(5)	16 Quest. 30 Marks
1	Text file: opening a text file, text file open modes closing a text file, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file Binary file: basic operations on a binary file: open using file open modes ,close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file CSV file: import csv module, open / close csv file, write into a csv file using writer(),writerow(),writerows() and read from a csv file using reader()	33	09 (09)	4(08)	1(3)	2(08)	1(5)	17 Quest. 33 Marks
1	Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.	07	03(03)	-----	-----	1(04)	-----	04 Quest. 07 Marks

SUBJECT : ECONOMICS

MONTH	INTRODUCTORY MACRO ECONOMICS	INDIAN ECONOMIC DEVELOPMENT
APRIL	NATIONAL INCOME AND RELATED AGGREGATES Basic concepts of macroeconomics. Circular flow of income	DEVELOPMENT EXPERIENCE AND ECONOMIC REFORMS since 1991 Indian Economy on the eve of independence. Indian economic system and common goals of Five year plans
MAY	NATIONAL INCOME AND RELATED AGGREGATES Aggregates related to national income. Methods of calculating National income.	DEVELOPMENT EXPERIENCE AND ECONOMIC REFORMS since 1991 Main features, problems and policies of agriculture, industry and foreign trade
JUNE	MONEY	ECONOMIC REFORMS since 1991
JULY	BANKING: Commercial banks and the central banks	CURRENT CHALLENGES FACING INDIAN ECONOMY Human capital formation
AUGUST	DETERMINATION OF INCOME AND EMPLOYMENT Aggregate demand and its components Propensity to consume and propensity to save. REVISION	CURRENT CHALLENGES FACING INDIAN ECONOMY Rural development REVISION
SEPTEMBER	HALF YEARLY EXAMINATION	
OCTOBER	DETERMINATION OF INCOME AND EMPLOYMENT Short run equilibrium output; Investment multiplier and its mechanism. Excess demand and deficient demand	CURRENT CHALLENGES FACING INDIAN ECONOMY Employment
NOVEMBER	GOVERNMENT BUDGET AND THE ECONOMY BALANCE OF PAYMENTS Foreign exchange rate	CURRENT CHALLENGES FACING INDIAN ECONOMY Environment and sustainable economic development DEVELOPMENT EXPERIENCE OF INDIA
DECEMBER	REVISION	

BLUE PRINT FOR HALF YEARLY EXAM

MACRO ECONOMICS(40 marks)							
SL NO.	TOPICS	MARKS	MCQ (1mark each)	VSA (3 marks each)	SA (4 marks each)	LA (6 marks each)	TOTAL (No. of questions)
1	NATIONAL INCOME AND RELATED AGGREGATES	14	4		1	1	6
2.	MONEY	9	2	1	1		4
3.	BANKING	11	2	1		1	4
4.	AGGREGATE DEMAND AND ITS COMPONENTS	6	2		1		3
INDIAN ECONOMIC DEVELOPMENT (40 marks)							
1.	INDIAN ECONOMY ON THE EVE OF INDEPENDENCE	6	2		1		3
2.	INDIAN ECONOMY 1950-1990	9	2	1	1		4
3.	INDIAN ECONOMIC REFORM 1991	8	2			1	3
4.	HUMAN CAPITAL FORMATION	11	2	1		1	4
5.	RURAL DEVELOPMENT	6	2		1		3

SUBJECT - ACCOUNTANCY (055)

	Topic	Weightage		
ChNo		Month	HY	Annual
	Class-XII (2018-19)			
	Part A Accounting for Not-for-Profit Organizations, Partnership Firms and Companies			
	Accounting for Partnership Firms		60	35
1	Accounting for Partnership Firms - Basic Concepts	April		
2	Change in PSR	May		
3	Admission of Partners	June		
4	Retirement of Partner	July		
5	Death of a Partner	July		
6	Dissolution of Partnership Firms	Aug		
8	Accounting for Companies - issue of Shares	Oct	20	25
9	Accounting for Companies - issue of Debentures	Oct		
	Part B Financial Statement Analysis			
1	Financial Statements of Companies (As per AS III)	Sept		
2	Financial Statements Analysis	Sept		20
3	Financial Tools	Nov		
4	Accounting Ratios	Nov		
5	Cash Flow Statement	Dec		
	Part C Project Work		20	20
	FM		100	100

SUBJECT - BUSINESS STUDIES (Code No. 054)

		Weightage		
Ch No	Chapter Name	Month	HY	Annual
	Part A Principles and Functions of Management			
1	Nature and Significance of Management	April	12	16
2	Principles of Management	April	12	
3	Business Environment	May	8	
4	Planning	June	14	
5	Organizing	July	10	14
6	Staffing	July	10	
7	Directing	Aug	10	20
8	Controlling	Aug	14	
	Part B Business Finance and Marketing			
9	Financial Management	Sept		15
10	Financial Markets	Oct		
11	Marketing Management	Nov		15
12	Consumer Protection	Dec		
	Part C Project Work (One)		10	20
	FM		100	100

SUBJECT - APPLIED MATHEMATICS (241)

MONTH	TOPIC
MARCH, APRIL	UNIT-1 NUMBERS, QUANTIFICATION AND NUMERICAL APPLICATIONS Modulo Arithmetic, Congruence Modulo, Alligation and Mixture, Numerical Problems, Boats and Streams (upstream and downstream), Pipes and Cisterns, Races and Games, Numerical Inequalities.
MAY, JUNE	UNIT-2 ALGEBRA Matrices and types of matrices, Equality of Matrices. Transpose of a matrix, Symmetric and Skew symmetric matrix, Algebra of Matrices, Determinants, Inverse of a matrix. Solving system of simultaneous equations using matrix method, Cramer's rule.
JULY AUGUST	UNIT- 3 CALCULUS Higher Order Derivatives, Application of Derivatives, Marginal Cost and Marginal Revenue using derivatives. Increasing /Decreasing Functions, Maxima and Minima. Integration and its Applications Integration, Indefinite Integrals as family of curves. Definite Integrals as area under the curve. Application of Integration. Differential Equations and Modelling Differential Equations, Formulating and Solving Differential Equations, Application of Differential Equations.
SEPTEMBER	REVISION AND TERM – I EXAMINATION

MARKING SCHEME AND BLUE PRINT HALF YEARLY EXAMINATIONS

SL. NO.	Unit/chapter	VSA(01)	VSA(02)	SA(03)	SA(04)	LA(05)	TOTAL
1	NUMBERS, QUANTIFICATION AND NUMERICAL APPLICATIONS	03	01	01			(08) (05 QUESTIONS)
2	NUMERICAL INEQUALITIES	02		01	01		(09) (04 QUESTIONS)
3	MATRICES	02	01		01	01	(13) (05 QUESTIONS)
4	DETERMINANT	02	01			01	(09) (04 QUESTIONS)
5	DIFFERENTIATION	03		01		01	(11) (05 QUESTIONS)
6	APPLICATION OF DERIVATIVES	02	01	01	01	01	(16) (06 QUESTIONS)
7	INTEGRALS	03	01	01			(08) (05 QUESTIONS)
8	DIFFERENTIAL EQUATIONS	03		01			(06) (04 QUESTIONS)
		20 Q	05 Q	06 Q	03 Q	04 Q	(80) (38 QUESTIONS)

SUBJECT – PHYSICAL EDUCATION (048)

MONTHLY SYLLABUS FOR CLASS XII

UNIT	UNIT NAME	MONTH	NO OF PERIODS
UNIT – 1	MANAGEMENT OF SPORTING EVENTS.	APRIL & MAY	15
UNIT – 2	CHILDREN AND WOMEN IN SPORTS.	APRIL & MAY	12
UNIT – 3	YOGA AS PREVENTIVE MEASURE FOR LIFESTYLE DISEASE.	JUNE & JULY	12
UNIT – 4	PHYSICAL EDUCATION AND SPORTS FOR CWSN. (Children with special Need – Divyang)	JUNE & JULY	13
UNIT – 5	SPORTS AND NUTRITION.	AUGUST	12
UNIT – 6	TEST AND MEASUREMENT IN SPORTS.	AUGUST	13
UNIT – 7	PHYSIOLOGY AND INJURIES IN SPORTS.	SEPTEMBER	13
UNIT – 8	BIOMECHANICS AND SPORTS.	SEPTEMBER	18
UNIT – 9	PSYCHOLOGY AND SPORTS.	OCTOBER	12
UNIT – 10	TRAINING IN SPORTS.	NOVEMBER	15
	REVISION	DECEMBER & JANUARY	
	PRACTICAL		56

