

SYLLABUS-2017-18
SUBJECT-ENGLISH (CORE)
CLASS-XII (Code No 301)

1. Flamingo	NCERT
2. Vistas	NCERT
3. The Invisible Man (H.G. Wells)	
4. BBC Compacta	Brijender Book Company

Note– Following lessons are deleted from books.
 Flamingo L-6 Poets & Pancakes
 L-7 Interview
 Poem 5 The Road Side Stand
 Vistas L-1 Third Level
 L-3 Journey to the End of the World

Month	Section A (Reading)	Section B (Writing Skill)	Section C Text Book & Long Reading Text
March	Comprehension Passages & Poem	Article, Debate, Notice	Flamingo L-1 The Last lesson Poem 1 My Mother Vistas - L-2 Tiger King
April	–	Advertisement, Letters i) Official ii) Business	Flamingo- Lesson 2 Lost Spring Poem-2 An Elementary Novel- Ch. 1 to 5.
May	Comprehension Passages & Poem	Poster, Note Making Report Writing, Factual Description	Flamingo L-3 Deep Water Vistas- L-5, Should Wizard Hit Novel Ch. 6 to 10
July		Letters i) Application for Job ii) To Editor	Flamingo L-4 Rat Trap Poem 3 Keeping Quiet Vistas L-4 The Enemy Novel- Ch 11 to 16
August	Comprehension Passages & Poem	Speech, Invitations & Replies	Flamingo L-5 Indigo Vistas L-6 On the face of it Novel Ch 17 to 22
September	–	–	Flamingo L-8 Going Places Poem- Aunt Jennifer's Tigers Novel Ch. 23 to 25
October	–	–	Vistas L-7 Evan's Tries An O' Level L-8 Memories of Childhood. Novel Ch. 26 to 28

Examinations.				
Selection Exam – June 2017				
Section A (Reading)	Section B (Writing Skill)	Section C (Text Book & Long Reading Text)		
Comprehension Passages & Poem, Note Making	Notice, Advertisement, Poster, Letter (Official & Business) Article, Report Writing Debate, Speech	Flamingo L-1, The Last Lesson. L-2 The Lost Spring Poem 1 My Mother At Sixty Six Poem 2 An Elementary School Vistas - L-2 Tiger King L-5 Should Wizard Novel Ch. 1 to 8		
Mid Term Exam – September				
Comprehension Passages & Poem Note Making	Short Composition, Notice Advertisement, Poster, Invitation & Replies Long Composition Article, Debate, Speech Report Writing, Factual Description.	Flamingo L-1 The Last lesson, L-2 Lost Spring L-3 Deep Water L-4 Rat Trap Poem 1 My Mother at Sixty Six Poem 2 An Elementary School Poem 3 Keeping Quiet Novel Ch 1 to 18		
BLUE-PRINT				
Examination	Section-A (Reading)	Section B (Writ. Skill)	Section Text Books and Long Reading Text	Total
Selection Exam.	30	30	40	100
Mid Term	30	30	40	100
Complete Revision Exam.	30	30	40	100
Pre-Board	30	30	40	100

SUBJECT-PHYSICS
CODE NO. 042
CLASS-XII

Name of Book NCERT, SL ARORA	Name of Publisher DHANPAT RAI
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Month wise Syllabus--

Month	Ch. No.	Chapter Name
March	Ch 1	Electric charge and field
April	Ch 2 Ch 3	Electric Potential and Capacitance Electric Current
May	Ch 4 Ch 5 Ch 6	Magnetic effect of current Magnetism Electro Magnetic Induction.
July	Ch 7 Ch 8 Ch 9	Alternating Current Electro Magnetic Wave Ray Optics
August	Ch 10 Ch 11	Wave Optics Dual nature of matter and Radiation
September	Ch 12	Atom
October	Ch 13 Ch 14 Ch 15	Nuclei Electronic Devices Communication System.
Selection Exam		35 Marks
Ch 1		5+5
Ch 2		10+5
Ch 3		10+5+5
Ch 4		10+5
Ch 5		10+5
Mid Term Exam		70 Marks
Ch 1		5
Ch 2		10
Ch 3		10
Ch 4		10
Ch 5		10
Ch 6		10
Ch 7		10
Ch 8		5
CR Exam.	Complete Syllabus	70
Pre-Board Exam.	Complete Syllabus	70

BLUE PRINT

S.No.	Topics	Marks
1.	Electrostatics	8
2.	Current Electricity	7
3.	Magnetics effect of current and magnetism	8
4.	Electromagnetic Induction and A.C	8
5.	Electromagnetic wave	3
6.	Rayoptics and wave optics	14
7.	Dual nature of matter and Radiation	4
8.	Atom and nuclei	6
9.	Electronic Device	7
10.	Communication System	5

SUBJECT-CHEMISTRY
CODE NO. 043
CLASS-XII

Name of Book **Name of Publisher**

Month wise Syllabus–

Month **Unit No. Topics**

March	Unit 1	Solidstate– Classification of Solid. Difference forces, unit cell in two dimension and three dimension lattices, calculation of density. Packing Efficiency, defect, Conductor, Semi-conductor and Insulator Magnetic Properties.
	Unit 2	Solution– Expression of Concentration of solution, solubility V.P. of Liquid solution, Hennys' law. Rault's law, Ideal and Non Ideal solution, Positive and Negative Deviation of solution. Colligative Properties, vant's half factor.
	Unit 3	Electrochemistry– Electro chemical cell, Electrolyte solution (Strong and weak) Nernst Equation, Conductance of Electrolyte solutions (Molar Conductance and Equivalent Conductance) Electrolytic cells, and Electrolysis, batteries.
May	Unit-4	Chemical Kinetics– Defenition, Rate of Chemical Reaction, affecting factors, Intregated Rate Equation, Pseudo First order, First order Reaction. Half life Period. Molecularity, Difference between Rate of Reaction and Molecularity Temperature dependence of the rate of Reaction. Collision theory.
May	Unit-5	Surface Chemistry– Adsorption (Physical and Chemical sorption, Catalyst (Homo and Heterogeneous Catalyst) Colloids, Emulsion, Soaps.
	Unit-6	General Principles and Process of solution of Elements: Concentration of ores. Extraction, Thermodynamics Principles of Metallurgy. Electrochemical Principles, Extraction reduction refining uses.
July	Unit-7	P Block Elements– Study of the groups 15, 16, 17, 18 and their some compounds uses

	Unit-8	The d and f block Elements– Position in periodic table Electronic configuration. Properties & Preparation of some Important Compounds of d-Block Elements. The Lanthanide and Actinides (Electronic Configuration and Properties) Applications of d and f block Element.
August	Unit-9	Coordination Compunds– werners Theory some Important definitions. Nomenclature, isomerism, V.B.T. C.F.T, Metal Carbonyl.
	Unit-10	Haloalkanes, Haloarenes. Nomenclature, Preparation Properties, Mechanism of SN ¹ and SN ² , stereocentre, Polarity optical activity.
September	Unit-11	Alcohals, Phenols, and ethers. Classification Nomenclature, Preperation, Properties, structural of functional group of Alcohol, Phenols, and ethers.
	Unit-12	Aldehydes, Ketones, and carboxylic acid. Aldehydes, Ketones and Carboxylic acids. Nomenclature. Structure of >c=O group, preparation, properties and uses.
October	Unit-13	Amines :- Structure, Classification. Nomenclature, Preparation, Properties of amines, Preparation and properties of diazonium salt.
	Unit-14	Biomolecules:- Study of Carbohydrate, Protein, Engzyme, Vitamins, D.N.A, R.N.A.
	Unit-15	Polymers: Classification, Types of Polymerisation, Molecular Mass of Polymer, Biodegradable Polymers. Importance
November	Unit-16	Chemistry in Everyday life. Drugs and their Classification, drug target Interaction therapeutical action of different classes of drug. cleaning agent.
Selection Exam		Weightage of Marks
	Unit-1	13
	Unit-2	17
	Unit-3	13
	Unit-4	15
	Unit-5	12
	Total Marks	70

Mid Term Exam		Weightage of Marks
Unit-4		6
Unit-5		6
Unit-6		6
Unit-7		15
Unit-8-9		10
Total Marks		70

BLUE PRINT

S.No.	Blue Print	Marks
1	Solidstate	5
2	Solution	5
3	Electro Chemistry	5
4	Chemical Kinetics	5
5	Surface Chemistry	3
6	General Principles and processes of Isolation of elements	3 5
7	P. Block Elements	8
8	The d and f Block Elements	5
9	Coordination Compounds	3
10	Haloalkanes, Haloarenes.	4
11	Alcohols, Phenols, and ethers	4
12	Aldehydes, Ketones and Carboxylic acid	6
13	Amines	4
14	Biomolecules	4
15	Polymers	3
16	Chemistry in Everyday life.	3

SUBJECT-BIOLOGY
CODE NO. 044
CLASS-XII

Name of Book Biology (Theory) Biology (Practical)	Name of Publisher NCERT Laxmi Publications
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Month wise Syllabus–

Month	Ch. No.	Chapter Name
April (3-30)	Ch 1	Reproduction in Organisms
	Ch 2	Sexual Reproduction in Flowering Plants
	Ch 3	Human Reproduction
May (1-30)	Ch 4	Reproductive Health
	Ch 5	Principles of Inheritance and Variation
	Ch 6	Molecular basis of Inheritance.
July (1-22)	Ch 7	Evolution
	Ch 8	Human health and Diseases.
	Ch 9	Strategies for enhancement in Food production
August (1-30)	Ch 10	Microbes in human welfare
	Ch 11	Biotechnology Principles and processes.
September (1-15)	Ch 12	Biotechnology and its applications.
October (3-31)	Ch 13	Organisms and Population
	Ch 14	Ecosystem
	Ch 15	Biodiversity and conservation.
	Ch 16	Environmental Issues.

Selection Exam 70 Marks

Ch 1 to 4		
Ch 1	Reproduction in Organisms	10
Ch 2	Sexual Reproduction in Flowering Plants	24
Ch 3	Human Reproduction	24
Ch 4	Reproductive Health	12

Mid Term Exam 70 Marks

Ch 1 to 8		
Ch 1	Reproduction in Organisms	4
Ch 2	Sexual Reproduction in Flowering Plants	10
Ch 3	Human Reproduction	11
Ch 4	Reproductive Health	4
Ch 5	Heredity and Variation	10
Ch 6	Molecular basis of Inheritance	11
Ch 7	Evolution	10
Ch 8	Human Health and Diseases	10

Complete Revision Test (Complete Syllabus)	=	70 Marks
Pre-Board (Complete Syllabus)	=	70 Marks
BLUE PRINT		
S.No.	Topics	Marks
1.	Reproduction	14
2.	Genetics and Evolution	18
3.	Biology and Human welfare	14
4.	Biotechnology and its applications	10
5.	Ecology and Environment	14
	Total	70

SUBJECT-MATHEMATICS
CODE NO. 041
CLASS-XII

Name of Book NCERT Elements of Mathematics	Name of Publisher NCERT Jeevansons Publications
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Month wise Syllabus–

Month	Chapter Name
1 March	Matrices and Determinant
2 April	Relation and Function, Inverse Trigonometry, Differentiation
3 May	Application of Derivatives
4 July	Integration, Application of Integration.
5 August	Differential Equation, Linear Programming.
5 September	Revision for Mid-Term Exam.
7 October	Vectors. Three Dimensional Geometry, Probability

Selection Exam **Marks-100**

Number of Questions

Topic	1	2	4	6	Total marks
1. Relation and function			2	1	15
2. Inverse Trigonometry	1	2	2	1	19
3. Matrices		1	2	1	16
4. Determinant	1	2	1	2	21
5. Differentiation	1	3	4	1	29
	4	8	11	6	100

Mid Term Exam **Marks-100**

Number of Questions

Topic	1	2	4	6	Total marks
1. Relation and function		1	1	1	12
2. Inverse Trigonometry	1	1	1		7
3. Matrices		1	1		6
4. Determinant	1	1	1	1	13
5. Differentiation	1	1	2	1	17
6. Application of Derivatives		1	2	1	16
7. Integration	1	2	2	1	19
8. Application of Integrals			1	1	10
	4	8	11	6	100

Complete Revision Exam.**BLUE PRINT****Number of Questions**

Topic	1	2	4	6	Total marks
1. Relation and function				1	6
2. Inverse Trigonometry			1		4
3. Matrices					
4. Determinant	1	1	1	1	13
5. Differentiation	1	1	1		7
6. Application of Qeuratives		2		1	10
7. Integration	1	1	2		11
8. Application of Integrals				1	6
9. Differential Equations			1	1	10
10. Vectors			2		8
11. Three Dimensional Geometry	1	1		1	9
12. Linear Programming		1	1		6
13. Probability		1	2		10
	4	8	11	6	100

Pre-Board. Exam.**BLUE PRINT****Number of Questions**

Topic	1	2	3	6	Total marks
1. Relation and function				1	6
2. Inverse Trigonometry			1		4
3. Matrices					
4. Determinant	1	1	1	1	13
5. Differentiation	1	1	1		7
6. Application of Qeuratives		2		1	10
7. Integration	1	1	2		11
8. Application of Integrals				1	6
9. Differential Equations			1	1	10
10. Vectors			2		8
11. Three Dimensional Geometry	1	1		1	9
12. Linear Programming		1	1		6
13. Probability		1	2		10
	4	8	11	6	100

SUBJECT-PHYSICS EDUCATION
CODE NO.
CLASS-XII

Name of the Book Health and Physical Education	Name of Publisher Saraswati House
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Month wise Syllabus–

Month	Unit No.	Topics
April	Unit 1	Planning in Sports
	–	Meaning of Planning
	–	Tournaments- League & Knock-out
	–	Intramurals and extramurals
	–	Specific sports programmes
	Unit 2	Adventure Sports & Leadership training
–	Objectives of adventure sports	
–	Natural resources	
–	Leadership through physical education	
May	Unit 3	Sports and Nutrition
	–	Balnced diet and Nutrition
	–	Components of diet
	–	Eating disorders
	–	Sports nutrition
	Unit 4	Posture
	–	Concept of Correct posture
	–	Causes of bad posture
–	Postural deformities	
–	Physical activities as corrective measures	
July	Unit 5	Children and sports
	–	Motor development in Children
	–	Weight training and food supplement
	–	Activities and quality of life
	Unit 6	Women and sports
	–	Sports Participation of women
–	Special Consideration	
–	Female athlete triad	
August	Unit 7	Test and Measurement in Sports
	–	Muscular Strength
	–	Motor fitness test
	–	Cardiovascular fitness
	–	Senior citizen fitness test
	Unit 8	Physiology and Sports
	–	Gender differences
	–	Effect of exercise of our systems
–	Physiological Changes due to ageing	

September	Unit 9	Sports Medicine
	–	Concept & definition of Sports medicine
	–	Impact of surfaces
	–	Sports Injuries and management
	Unit 10	Biomechanic and sports
	–	Projectile
	–	Angular and Linear movements
	–	Friction
	–	Mechanical analysis of walking & running
October	Unit 11	Psychology and Sports
	–	Stress and anxiety
	–	Coping Strategies
	–	Personality
	–	Motivation
	Unit 12	Training in Sports
	–	Strength
	–	Endurance
	–	Speed
	–	Flexibility
–	Co-ordinative abilities	
Syllabus for Selection Exam		Unit 1 and 2
Mid Term Exam		Unit 1 to 8
CR and Pre-board		Full Syllabus

SUBJECT-COMPUTER SCIENCE
CODE NO. 083
CLASS-XII

Name of Book Computer Science With C++	Name of Publisher Sultan Chand
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Month wise Syllabus–

Month	Ch. No.	Chapter Name
April	Ch 1	C++ Revision
	Ch 2	Function Overloading
	Ch 3	OOP
May	Ch 4	Classes & its object
	Ch 5	Constructor & Destructor
July	Ch 6	Inheritance
	Ch 7	Data File Handling
August	Ch 8	Pointers
	Ch 9	Arrays
September	Ch 10	Linked Lists, Stack & Queue
	Ch 11	Data Base Concepts
October	Ch 12	SQL
	Ch 13	Boolean Algebra
	Ch 14	Communication & Networking

Selection Exam Function Overloading, OOP, Class & Its Object, Constructor & destructor, C++ Revision	Weightage 70
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Mid Term Exam Class & Its Objects, Constructor & destructor, OOP Inheritance, Pointers, Data file handling	70
Complete Revision Exam (Complete Syllabus)	70
Pre-board (Complete Syllabus)	70

BLUE PRINT

Unit No.	Unit Name	Marks
1.	Object Oriented Programming	30
2.	Data Structures	14
3.	DBMS & SQL	08
4.	Boolean Algebra	08
5.	Communication & Networking	10
Total		70

SUBJECT-ECONOMICS
CODE NO. 030
CLASS-XII

Name of Book Micro Economics Macro Economics	Name of Publisher Dhanpat Rai (Sandeep Garg)
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Month wise Syllabus–

Month	Unit No.	Topics
March	Ch. 1	Introduction
	Ch. 2	Utility Analysis
April	Ch. 2	Indifference curve analysis
	Ch. 3	Demand
	Ch. 4	Elasticity of Demand
	Ch. 5	Production function
May	Ch. 6	Cost
	Ch. 7	Revenue
	Ch. 8	Producer's Equalition
	Ch. 9	Supply to Elasticity of Supply
July	Ch. 10	Main Market Firms
	Ch. 11	Price determination with sample applications (Macro Economics)
	Ch. 1	Circular Flow of Income.
August	Ch. 2	Basic Concepts of Macro Eco.
	Ch. 3	National Income and related Concepts
	Ch. 4	Measurement of National Income
September	Ch. 5	Money
	Ch. 6	Banking Commercial to Central Bank
	Ch. 7	Aggregate Demand / Aggregate Supply and related Concepts
	Ch. 8	Income determination and Multiplier
October	Ch. 9	Excess and Delicent demand
	Ch. 10	Govt. Budget and the Economy
	Ch. 11	Foreign exchange rate
	Ch. 12	Balance of Payment
November to February		Revision of CR and Pre-Board
Selection Exam		Weightage of Marks
Part-A (Micro) Ch. 1 to 9		
Ch 1 Introduction		6+6=12
Ch 2 Utility analysis Indifference curve Analysis		8+18=36
Ch 3 Demand		
Ch 4 Elasticity of Demand		
Ch 5 Production Function		16+16=32

Ch 6 Cost Ch 7 Revenue Ch 8 Producer's Equilibrem Ch 9 Supply and its Elasticity	
Total Marks	40+40=80
Mid-Term Exam.	
Part-A (Micro) Ch 10 Forms of Market Ch 11 Determination of Price	20
Part-B (Micro) Ch 1 Circular flow of Income Ch 2 Basic Conceptal Macro Economics Ch 3 National Income and related aggregates Ch 4 Measurement of National Income Ch 5 Money Ch 6 Banking Ch 7 Aggregate Demand and Supply Ch 8 Multiplier	30 30
Total Marks	80
Complete Revision Exam	
Part 1 (Micro) Ch 1 - 11	40
Part 2 (Micro) Ch 1 - 12	40
Total Marks	80
Same as Complete Revision Exam.	

SUBJECT-BUSINESS STUDIES
CODE NO. 054
CLASS-XII

Name of the Book	Business Studies
Name of Publisher	VK (Poonam Gandhi)

MONTH WISE SYLLABLE

Month		Topics
March	Part-A	
	Unit 1	Nature & Significance of Management (Half)
April	Unit 1	Nature & Significance of Management
	Unit 2	Principles of Management
	Unit 3	Business Environment
May	Unit 4	Planning
	Unit 5	Organising
July	Unit 6	Staffing
	Unit 7	Directing
August	Unit 8	Controlling
	Part-B	
	Unit 9	Financial Management
September	Revision of Mid-Term Exam	
October	Unit 10	Financial Market
	Unit 11	Marketing Management
	Unit 12	Consumer Protection
November to February	Revision of Part A (Unit 1 to 8)	
	Revision of Part B (Unit 9 to 12)	
Selection Exam-		Marks
Unit-1	Nature & Significance of Management	20
Unit-2	Principle of Management	20
Unit-3	Business Environment	20
Unit-4	Planning	20
Total Marks		80
Mid-Term Exam-		Marks
Unit-1 to 8 (Part-A Complete)		
Unit-1		10
Unit-2		10
Unit-3		06
Unit-4		10

Unit-5							14
Unit-6							12
Unit-7							12
Unit-8							06
Total Marks							80
Complete Revision Exam							Marks
Part-A	Unit 1 to 8						50
Part-B	Unit 9 to 12						30
	Total Marks						80
Pre-Board Exam.							
Same as Complete Revision Exam.							
BLUE PRINT							
Type of Question	Very short Answer 1 Marks	Short Answer 3 Marks	Short Answer 4 Marks	Long Answer 5 Marks	Long Answer 6 Marks	Total Marks	Weight age
1. Remembling (Knowledge based) Question	2	1	1	1	–	14	17%
2. Understanding	2	2	1	–	1	18	23%
3. Application	2	1	1	1	1	20	25%
4. High Order thinking Skill	2	1	2	–	1	19	24%
5. Evaluation	–	–	1	1		09	11%
	8x1=8	5x3=15	6x4=24	3x5=15	3x8=18	80.(25) Project 20	100%

SUBJECT-ACCOUNTANCY
CODE NO. 055
CLASS-XII

Name of the Book Part-A Double Entry System Volume 1 Accounting for Partnership Firm Volume 2 Analysis of Financial Statement Part B-Analysis of Financial Statement	Name of Publisher APC (D.K. Goel)
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MONTH WISE SYLLABUS

Month		Topics
March	Ch 1	Part-A Volume 1 (Accounting for Partnership firms Fundamentals)
April	Ch 2 Ch 3	Part-A Volume 1 Change in Profit sharing ratio among the existing partners Admission of a Partner
May	Ch 4 Ch 5	Part-A Volume 1 Retirement of a Partner and Death of a Partner Dissolution of Partnership firm
July	Ch 6 Ch 7	Part-A Volume 2 Issue of Shares Issue of Debentures
August	Ch 8 Ch 9	Part-A Volume 2 Redemption of Debentures Employees Stock Option Plan
	Ch 1 Ch 2 Ch 3 Ch 4	Part-B Volume 2 Financial Statements of Companies (As per Schedule III) Financial Statement Analysis Comparative Statement Common Size Statement
September		Revision of Mid-Term Exam
October	Ch 5 Ch 6	Part-B Volume 2 Accounting Ratios Cash Flow Statement (As per As 3 Revised)
November to February		Revision of Part A Volume 1 Ch 1 to 5 Volume 2 Ch 6 to 9 Part B Ch 1 to 6

Selection Exam-		Weightage of Marks					
Part-A Volume 1							
Ch 1	(Accounting of Partnership Firm Fundamentals)						20
Ch 2	Change in Profit Sharing Ratio						20
Ch 3	Admission of Partners						20
Ch 4	Retirement & Death of Partner						20
Total Marks		80					
Mid-Term Exam-		Weightage of Marks					
Part-A Volume 1 Ch 1, 2, 3, 4, 5,		40					
Volume 2 Ch 6, 7, 8, 9		40					
Total Marks		80					
Complete Revision Exam-		Weightage of Marks					
Part-A Volume 1							
Accounting for Partnership Firms Ch 1 to 5		35					
Part-B Volume 2							
Accounting for Companies Ch 6 to 9		25					
Total Marks		60					
Part-B Financial Statement Analysis							
* Analysis of Financial Statement Ch 1 to 5		12					
* Cash Flow Statement		8					
Total Marks		20					
Part A + Part B		80					
Pre-Board Exam.							
*Same as Complete Revision Exam							
BLUE PRINT							
Type of Question	Very short Answer 1 Marks	Short Answer I 3 Marks	Short Answer II 4 Marks	Long Answer I 6 Marks	Long Answer II 8 Marks	Total Marks	Percent age %
1.Remembering (Knowledge Base) Simple Question	3	1	1	1	–	16	20%
2.Understanding	2	–	2	1	1	24	30%
3.Application	–	2	2	1	–	20	25%
4.High Order thinking Skill	2	–	–	1	1	16	20%
5.Evaluation	1	1	–	–	–	4	5%
Total	8x1=8	4x3=12	5x4=20	6x4=24	2x8=16	80 (23)	100%
						Project 20	
Note : All Question carrying 8 marks will have internal choice.							