

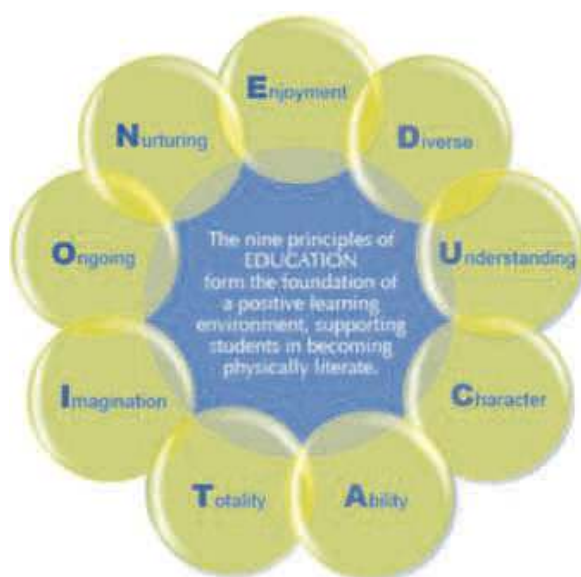
FORWARD

A syllabus helps every teacher and student to know clearly the topics to be taught and the concepts to be learnt. And a Split-up of Syllabus helps everyone to plan ahead and to work systematically. This split up of syllabus is presented to all the stakeholders (students, teachers & parents) to help them to accomplish their goals. Each school is at the liberty to bring changes in it according to their requirement sticking to the suggested guidelines.

Hope this will help the teachers in designing and planning lessons for transacting syllabus and assessing students effectively during the current Academic Session.



DAV PUBLIC SCHOOLS
ODISHA ZONE II
SYLLABUS FOR THE SESSION - 2020-21
CLASS - XI



Managed By:
DAV College Managing Committee, New Delhi

SYLLABUS 2020-21
DAV PUBLIC SCHOOLS, ODISHA ZONE - II
CLASS - XI
AN OVERVIEW

- The syllabus aims at providing a stress free environment and a joyful learning experience to the students focusing on the set *Learning Outcomes*.
- The school aims at developing inner abilities within the students through *Competence Mapping* activities.
- Minimum 75 % attendance is required for promotion to next higher class.
- *Examination Scheme*
 - Two Unit Tests(one before half yearly & another after half-yearly)
 - Half Yearly
 - Pre-Annual
 - Annual (DAV Board)
- All Saturdays (including second Saturday) will be *Full Working Days*.
- *Parent-Teacher Meeting* will be conducted on any working day (as per the suitability of the school) at 4.00 pm, once in a month.

CLASS-XI, SUB: English Core (301)

BOOKS PRESCRIBED: 1: **Hornbill**: Textbook (NCERT)
2: **Snapshots**: Supplementary Reader (NCERT)

MONTH	CHAPTERS/TOPIC TO BE TAUGHT	MARK DIST. FOR HALF YEARLY & ANNUAL EXAMINATIONS
JUNE	Writing Notice Grammar Tenses Literature Hornbill The Portrait of a Lady A Photograph(poetry)	PART A - 40 MARKS READING -(18 MARKS) MCQ Two passages - 10 x 1+8x1=18 marks) GRAMMAR -8 marks (MCQ) 8x1=8 Gap filling, Reordering and Transformation of sentences LITERATURE - 14 marks
JULY	Reading Note making & Summarizing Writing Advertisement, Article writing, Poster Grammar Determiners, Modals Literature Hornbill We're Not Afraid to Die..... The Laburnum Top (poetry) Snapshots The Summer of the Beautiful White Horse The Address	MCQ extract from poetry (Hornbill 3x1=3 MCQ extract from prose (Hornbill & Snapshots-6x1=6 MCQ from prose and poetry (1x5=5 marks)
AUGUST UNIT TEST-1	Writing Business/ Official Letters Letters to the Editor, Grammar Error correction, Editing task, Re-ordering of sentences Literature Hornbill Discovering Tut: The Saga Continues The Voice of the Rain (poetry) Snapshots Ranga's Marriage Albert Einstein at School	PART B - 40 MARKS READING -(8 MARKS) Note Making=5+3=8 WRITING -16 marks Notice-3 marks, Poster-3 marks, Business/Official letters-5 marks, Speech/Debate-5 marks LITERATURE -16 marks SA 2x2=4 marks from prose & poetry (Hornbill) SA 1x2=2 marks from prose (snapshots) LA 1x5=5 marks from prose / poetry (Hornbill) LA 1X5=5 marks from prose/Poetry (Snapshots)

MONTH	CHAPTERS/TOPIC TO BE TAUGHT	MARK DIST. FOR HALF YEARLY & ANNUAL EXAMINATIONS
SEPTEMBER	Writing Report writing Literature Hornbill Landscape of the Soul Listening Skills Speaking Skills REVISION	QUESTION PATTERN FOR HYL/ANNUAL PART-A Reading (18 marks) 1. Factual passage MCQ (1x10=10 marks) 2. Case-based factual passage MCQ 8x1=8 marks Grammar (8 marks) 3. Gap filling (Determiners & Tenses) 4. Reordering / Transforming sentences MCQ (1x8=8 marks)
OCTOBER	HALF YEARLY EXAMINATION Literature Hornbill The Ailing Planet The Browning Version	Literature (14 marks) 5. MCQ (poetry extract from Hornbill) 1x3=3 marks 6. MCQ from two prose extracts from Hornbill & Snapshots 6x1=6 marks 7. MCQ from Prose & Poetry 1x5=5 marks
NOVEMBER	Note making & Summarizing Writing Job Application Speech Grammar Change of Voice Clauses Literature Hornbill The Adventure Childhood (poetry) Snapshots Mother's Day The Ghat of the only world	PART-B Reading (8 marks) 1. Note-Making and Summarizing of a Passage (200-250 words) 5+3=8 marks Writing (16 marks) 2. Notice (50 words) 3 marks 3. Poster (50 words) 3 marks 4. Business / Official letter (150 words) 5 marks 5. Speech / Debate (150 words) 5 marks
DECEMBER UNIT TEST-II	Note making & Summarizing Writing Letter to the School and College authorities Grammar Transformation of sentences Literature Hornbill Silk Road Father to Son	Literature (16 marks) 6. Two SA from prose & Poetry (Hornbill) 50 words 2x2=4 marks 7. One SA from Prose (Snapshots) 50 words 1x2=2 marks 8. One LA from Prose/Poetry (Hornbill) 150 words 1x5=5 marks 9. One LA from Prose/Poetry (Snapshots) 150 words 1x5=5 marks

MONTH	CHAPTERS/TOPIC TO BE TAUGHT	MARK DIST. FOR HALF YEARLY & ANNUAL EXAMINATIONS
	Snapshots Birth The tale of the Melon city	
JANUARY PRE-ANNUAL	Listening Skills Speaking Skills REVISION FOR PRE-ANNUAL	<u>ASSESSMENT OF SPEAKING & LISTENING SKILLS 20 MARKS</u> 1. SPEAKING SKILLS-10MARKS 2. LISTENING SKILLS-10MARKS
FEBRUARY	REVISION and ANNUAL EXAM	

NB: Passage reading comprehensions will be practised every month.

DELETED PORTION

Writing

1. Classified Advertisements, 2. Letters to the editor (giving suggestions/opinions on an issue) Provide realistic context in the form of newspaper report/article to which the students may respond.

- Application for a job with a biodata or résumé **3** Article / Report Writing **4** Narrative

Grammar

1. Modals 2. Clauses 3. Change of voice 4. Error correction, editing task / cloze passages

Literature

1. Hornbill- The Adventure & Father to son
2. Snapshots - The ghat of the only world & The tale of Melon city

BLUE PRINT OF QUESTION PAPER 2020-21

SUB: English Core (301) CLASS-XI

Type of question	LA (5 marks)	SA (3 marks)	SA (2 marks)	MCQ (1 mark)	Total
No. of questions	5	3	3	40	
Marks	25	9	6	40	80

LEARNING OUTCOMES

SUBJECT: ENGLISH

SL.NO	NAME OF THE BOOK	LESSON / CHAPTER	LEARNING OUTCOMES
1	HORNBILL	The Portrait of a Lady By- Khushwant Singh	<i>The learner will be able to:</i> <ul style="list-style-type: none"> • Write a paragraph on the importance of grandparents in the learning of values. • Evaluate the importance of prayers in the morning assembly • Discuss the attitude of people towards dance and music in India a century back. • Compare different methods of funeral rites in different regions of India.
2		A Photograph By- Shirley Toulson	<ul style="list-style-type: none"> • Discuss the importance of photographs to keep our memories saved on paper. • Write a paragraph on the effect of the loss of family member on the other members of the family. • Explain correctly-‘..both wry with the laboured ease of loss.’ • Compare the mortal nature of human beings with the elements of nature like mountains and oceans.
3		We Are Not Afraid..... By- Gordon Cook and Alan East	<ul style="list-style-type: none"> • Discuss the dangers and pleasures of sea voyages. • Speak on the importance of unity of the group during a disaster. • Draw and identifies different parts of a ship or boat [in a picture].
4		Discovering Tut: The Saga Continues By- A.R Williams	<ul style="list-style-type: none"> • Discuss in group the controversies connected with the life and death of Tut. • Compare the old and modern methods of archeology. • Draw a flow chart of Tut’s family line.
5		The Laburnum Top By- Ted Hughes	<ul style="list-style-type: none"> • Collect information about the poet and his writing style using ICT. • Collect information and the picture of a laburnum tree using ICT. • Speak on the importance of the goldfinch in the existence of the laburnum tree. • Discuss the visual splendor of a blooming laburnum.

6		Landscape of the Soul By- Nathalie Trouveroy	<ul style="list-style-type: none"> • Compare European and Chinese art concepts. • Define and explains what is Art Brut and Outsider Art. • Take a virtual tour of Rock Garden in Chandigarh. • Explain the presence and importance of the white unpainted place in the Chinese landscapes.
7		The Voice of the Rain By- Walt Whitman	<ul style="list-style-type: none"> • Use ICT to find poems written on rain by other poets and critically appreciates them. • Compare the positive actions of the rain with his previous knowledge gained in the Science classes. • Identify the poetic device personification and answer questions based on poetic devices correctly.
8		The Ailing Planet: The Green Movement's Role By- Nani Palkhiwala	<ul style="list-style-type: none"> • Discuss the factors or human actions that have made our planet ailing. • Find out the different articles in our constitution which are concerned with the protection of wildlife, forest, endangered species, water bodies and environment. • Reflect on the need of a balance between the four pillars of the global economic system and how the present imbalance can be corrected.
9		The Browning Version By- Terence Rattigan	<ul style="list-style-type: none"> • Speak on the importance of bonding between a student and a teacher for better assimilation of learning in a particular subject. • Speak on the attitude of different people towards set rules and regulations. • Discuss how the teaching strategy or method of a teacher in the classroom affects the learning process.
10		Childhood By- Markus Natten	<ul style="list-style-type: none"> • Present views on the process of growing up into early adolescence. • Reflect on the hypocritical nature of adults- how they differ in their action from speech. • Speak on why the concept of Hell and Heaven had been created by the elders of the society.
11		Silk Road By- Nick Middleton	<ul style="list-style-type: none"> • Use ICT to locate the old silk road used by Indian traders. • Explain what is Kora or doing the Kora. • Speak on the scientific reason of feeling breathless in high altitudes. • Discuss in peer group the various qualities of Tibetan Mastiffs and why they became the royal dogs in the Chinese imperial court.

12	SNAPSHOTS	The Summer of the Beautiful White Horse By- William Saroyan.	<ul style="list-style-type: none"> • Speak on the adventurous spirit of young boys. • Collect information and pictures on Armenian culture and language. • Use values like honesty and truthfulness in practical life.
13		The Address By- Marga Minco	<ul style="list-style-type: none"> • Discuss how war affects the people who are forced to leave a country where they have spent a big part of their life. • Reflect on the greedy attitude of neighbours towards the belongings of foreigners or refugees in their neighbourhood. • Discuss one's emotional attachment with his / her belongings.
14		Ranga's Marriage By- Masti Venkatesh Iyenger	<ul style="list-style-type: none"> • Use the language of humour and satire correctly in writing. • Compare the institution of marriage [age] during ancient time with that of modern times. • Use ICT to find out the rules and regulations connected to Indian marriages and their benefits.
15		Albert Einstein at School By- Patrick Pringle	<ul style="list-style-type: none"> • Discuss the damaging effects of regimentation in schools. • Compare the education system during Einstein's school years with that of present times. • Use / inculcate the value of truthfulness.
16		Mother's Day By- J. B Priestley	<ul style="list-style-type: none"> • Discuss/ write an article- on the importance of women in a family and society even if they are housewives. • Identify the speaker of a dialogue in an excerpt given in the form of a question and interprets it. • Reflect on the need of showing respect to women. [daughters, mothers, sisters and wives]
17		Birth By- A. J Cronin	<ul style="list-style-type: none"> • Discuss the mental state of childless couples. • Reflect on the devotion of a medical doctor towards his/ her profession. • Write a short writeup on why Dr Andrew was wavering in his decision to marry Cristine.

CLASS-XI, SUB: Accountancy (055)

BOOKS PRESCRIBED: Accountancy Part-I & Part-II (NCERT)

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE		
			HALF YEARLY	ANNUAL	
	JUNE & JULY	1. Theoretical Framework i. Introduction to Accounting	12	12	
		ii. Theory base of Accounting	18		
	UNIT TEST-I	AUGUST	2. Accounting Process and Special Accounting Treatment i. Recording of Transactions	22	40
			ii. Preparation of Bank Reconciliation Statement, Ledger and Trial Balance	16	
	SEPTEMBER	iii. Accounting for Bills of Exchange PROJECT WORK	12 20		
		iv. Rectification of Errors			
	OCTOBER	REVISION AND HALF YEARLY EXAMINATION	Total: 100		
UNIT TEST-II	NOVEMBER	v. Depreciation, Provisions & Reserves		20	
		3. Financial Statement of Sole Proprietorship i. From Complete Records (Final Account)			
	DECEMBER	ii. From Incomplete Records (Single Entry System Statement of Affair method)		08	
		4. Computers in Accounting.			
PRE-ANNUAL	JANUARY	Project Work REVISION & PRE- ANNUAL EXAMINATION		20	
ANNUAL	FEBRUARY	REVISION AND ANNUAL EXAMINATION			
TOTAL				100	
<u>QUESTION PATTERN (HALF-YEARLY)</u>					
Type of Question(s)	Mark(s) per Question	Total no. Of Questions	Total Marks		
VSA	1	20	20		
SA – I	3	2	06		
SA – II	4	5	20		
LA – I	6	3	18		
LA - II	8	2	16		
Total:		32	80		
NB : PROJECT WORK TOPIC ACCOUNTING CYCLE (UPTO TRIAL BALANCE) 20 Marks TOTAL- 100 Marks					

DELETED TOPICS

PART A: FINANCIAL ACCOUNTING - I

Unit-2: Accounting Process

Topics Deleted
Bank Reconciliation Statement: <ul style="list-style-type: none">• Bank Reconciliation Statement with Adjusted Cash Book
Accounting for Bills of Exchange <ul style="list-style-type: none">Retirement of billRenewal of bill

Part B: Financial Accounting - II

Unit 3: Financial Statements of Sole Proprietorship

Units/Topics
Incomplete Records Difference between accounts from incomplete records and Statement of Affairs. Preparation of Trading, Profit and Loss account and Balance Sheet.

Unit 4: Computers in Accounting

Units/Topics
<ul style="list-style-type: none">• Introduction to operating software, utility software and application software. Introduction to accounting information system (AIS) as a part of Management Information System.• Stages in automation: (a) Accounting process in a computerised environment; comparison between manual accounting process and computerised accounting process, (b) Sourcing of accounting software; kinds of software: readymade software; customised software and tailor-made software; generic considerations before sourcing accounting software (c) creation of account groups and hierarchy (d) generation of reports - trial balance, profit and loss account and balance sheet

- 5 lectures were reduced in project work.
- Total lectures reduced are 45 lectures.

BLUE PRINT (HALF-YEARLY)

SL NO	CONTENTS UNIT / FORMS OF QUESTIONS	VSA (1)	SA-1 (3)	SA-2 (4)	LA-1 (6)	LA-2 (8)	TOTAL MARKS
1	Part-A Theoretical Framework	5	1	1			12
	i. Introduction to Accountancy						
	ii. Theory base of Accounting	4	-	2	1		18
2	Accounting Process & Special accounting treatment	4	-	1	1	1	22
	i. Recording of transaction						
	ii. Preparation of Bank Reconciliation Statement Ledger, trial balance	3	1	1	1		16
	iii. Accounting for Bills of exchange	4				1	12
Total:		1(20)	3(2)	4(5)	6(3)	8(2)	80

BLUE PRINT (PRE-ANNUAL EXAM)

SL NO	CONTENTS UNIT / FORMS OF QUESTIONS	VSA (1)	SA-1 (3)	SA-2 (4)	LA-1 (6)	LA-2 (8)	TOTAL MARKS
1	Part-A Theoretical Framework	3	1	-			06
	i. Introduction to Accountancy						
	ii. Theory base of Accounting	2	-	1	-		06
2	Accounting Process & Special accounting treatment	5	-	1	-	1	17
	i. Recording of transaction						
	ii. Preparation of Bank Reconciliation Statement Ledger, trial balance	-	-	-	1		06
	iii. Accounting for Bills of exchange	1	-	1		-	05
	iv. Rectification of Errors	1	-	1			05
	v. Depreciation, Provisions & Reserves	1			1		07
3	Part-B Financial Statement of Sole Proprietorship.						
	i. From Complete Records.	4				1	12
	ii. From Incomplete Records	2			1		08
4	Computers in Accounting	1	1	1			08
Total:		1(20)	3(2)	4(5)	6(3)	8(2)	80

QUESTION PATTERN (ANNUAL)

Type of Question(s)	Mark(s) per Question	Total no. Of Questions	Total Marks
VSA	1	20	20
SA – I	3	2	06
SA – II	4	5	20
LA – I	6	3	18
LA - II	8	2	16
Total:		32	80

N.B.: Project work topic; Accounting Cycle (After Trial Balance to Balance sheet)- 20 Marks
TOTAL-100 Marks

- **Project Work**
 1. **Comprehensive project of any sole proprietorship business. This may start with journal entries ,their ledger posting, preparation of Trial Balance ,Trading and Profit and Loss Account and Balance Sheet. Expenses, Incomes and profit(loss), assets and liabilities are to be depicted using pie chart/bar diagram.**

N.B.:

- **Blue print of question papers for Annual Examination will be as per DAV CAE guidelines.**
- **Question paper for Half Yearly will have internal choice in 3 marks, 4 marks, 6 marks & 8 marks questions.**

LEARNING OUTCOMES

SUBJECT: ACCOUNTANCY

SL.No.	Class	Name of the Text Book	Chapter/ Lesson	Learning Outcomes
1		ACCOUNTANCY –I ACCOUNTANCY –II (NCERT)	Theoretical Framework	1.understands accounting as a source of information
				2.appreciates the role of accounting as a language of business.
				3.explains the various terms used in accounting.
				4.analyzes and evaluate accounting concepts for preparation of financial statements
				5.understands and appllies the process of GST.
2	XI		Accounting Process and Special accounting treatment.	1.explains the concept of accounting equation..
				2.develops the skill to record transactions using rules.
				3.develops understanding of preparing Trial balance.
				4.explains the necessity of providing depreciation and develop skill to compute depreciation by different methods
				5.explains the method of recording bill transactions
3			Financial Statements of Sole proprietorship	1.understands the meaning of financial statements
				2.explains the items of revenue and capital
				3.appreciates the need of adjustments in financial statements.
				4.Prepare the financial statements
				5.develops the skill of calculating profit using statement of affairs method.
4			Computers in Accounting.	1.understands the meaning of a computer, describe its components, capabilities and limitations
				2.appreciates the need of use of computers for preparing accouting reports.
				3.understands the benefit of computerized accounting.
				4.explains the different types of accounting soft wares.
				5. understands the automation of accounting process.

CLASS-XI, SUB: Business Studies (054)
BOOKS PRESCRIBED: Business Studies (NCERT)

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE	
			HALF YEARLY	ANNUAL
		PART-A Foundations of Business		
	JUNE	1. NATURE AND PURPOSE OF BUSINESS	16	16
	JULY	2. FORM OF BUSINESS ORGANISATION	20	
UNIT TEST-I	AUGUST	3. PUBLIC,PRIVATE AND GLOBAL ENTERPRISES	16	14
		4. BUSINESS SERVICES	16	
	SEPTEMBER	5. EMERGING MODES OF BUSINESS	12	10
HALF YEARLY	OCTOBER	REVISION AND HALF YEARLY EXAMINATION	80	
	NOVEMBER	Part -b Finance And Trade 6. Social Responsibility Of Business And Business Ethics		
		7. Sources Of Business Finance	20	
		8. Small Business		
UNIT TEST-II	DECEMBER	9. INTERNAL TRADE		20
		10. INTERNATIONAL BUSINESS		
	11. PROJECT WORK	20		
	JANUARY	REVISION FOR PRE-ANNUAL EXAMINATION		
	FEBRUARY	REVISION FOR ANNUAL EXAMINATION		
Total				100

QUESTION PATTERN (HALF-YEARLY)

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	20	20
SA – I	3	5	15
SA – II	4	3	12
LA – I	5	3	15
LA – II	6	3	18
Total:		34	80

DELETED TOPICS

Part A: Foundation of Business

Unit	Topics deleted
Unit 2: Forms of Business organizations	Choice of form of business organization
Unit 3: Public, Private and Global Enterprises	Global Enterprises – Feature: Joint ventures, Public private partnership – concept
Unit 4: Business Services	Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning
Unit 5: Emerging Modes of Business	Business Process Outsourcing (BPO): Concept, need and scope
Unit 6: Social Responsibility of Business and Business Ethics	Business Ethics - Concept and Elements

Part B: Finance and Trade

Unit	Topic deleted
Unit 7: Sources of Business Finance	Borrowed funds: Inter Corporate Deposits (ICD) – Concept
Unit 9: Internal Trade	Types of retail-trade-itinerant and small scale fixed shops retailers
	GST (Goods and Services Tax): Concept
Unit 10: International Trade	Export trade – Meaning and procedure
	Import Trade - Meaning and procedure
	Documents involved in International Trade: indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)
	World Trade Organization (WTO) meaning and objectives

BLUE PRINT (HALF-YEARLY)

SL. NO	CONTENTS UNIT / FORMS OF QUESTIONS	VSA (1)	SA-1 (3)	SA-2 (4)	LA-1 (5)	LA-2 (6)	TOTAL MARKS
1	NATURE AND PURPOSE OF BUSINESS	4	1	1	1	-	16
2	FORM OF BUSINESS ORGANISATION	5	-	1	1	1	20
3	PUBLIC,PRIVATE AND GLOBAL ENTERPRISES	4	2	-	-	1	16
4	BUSINESS SERVICES	4	1	1	1		16
5	EMERGING MODES OF BUSINESS	3	1	-	-	1	12
Total :		1(20)	3(5)	4(3)	5(3)	6(3)	80

QUESTION PATTERN (PRE-ANNUAL & ANNUAL)

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	20	20
SA – I	3	5	15
SA – II	4	3	12
LA – I	5	3	15
LA - II	6	3	18
Total:		34	80

N.B.:

- **Blue print of question papers for annual examination will be as per DAV CAE guidelines.**
- There will be internal choice in questions of 3 marks (1 choice), 4 marks (1 choice), 5 marks (2 choices) and 6 marks (2 choices), in all, total 6 internal choices.
- Project work as per CBSE guidelines.

LEARNING OUTCOMES

SUBJECT: BUSINESS STUDIES

SL No.	CLASS	NAME OF THE TEXT BOOK	CHAPTER/ LESSON	LEARNING OUTCOMES
1.	XI	BUSINESS STUDIES (PART – A) NCERT Text Book)	CH-1 : Evolution and Fundamentals of Business	<p>The learners :</p> <ol style="list-style-type: none"> Identify and analyses the history of trade and commerce in India. Understand the meaning of business with special reference to economic and Non- economic activities. Aware about all the characteristics of business. Profession and employment. Describe the economic and social objectives of business. Examine the role of profit in business. Analyse the various business activities with the proper description of 'types of industries', Concept and meaning of commerce, trade and auxiliaries to trade Understand and examine the concept of risk as a special characteristics of business and its nature and causes.
2.	XI	BUSINESS STUDIES (PART – A) NCERT Text Book)	CH-2 : Forms of Business Organization	<p>The learners :</p> <ol style="list-style-type: none"> Analyse the different forms of business organisations Identify and explain the concept, features, merits and limitations of <ul style="list-style-type: none"> sole Proprietorship form of business Partnership form of business Hindu undivided family business Co-operative form of business Company form of business Describe the concept, merits and limitations of private and public companies. Demonstrate the meaning of One man company, Distinguish between a private company and private company. High light the stages in the formation of a company. Discuss the important documents used in the various stages in the formation of a company. Describe the factors that influence the choice of a suitable form of business
3.	XI	BUSINESS STUDIES (PART – A) NCERT Text Book)	CH-3 Public, Private and Global Enterprises	<p>The learners:</p> <ol style="list-style-type: none"> Develop an understanding of public sector and private sector enterprise. Identify and explain the features, merits and limitations of different forms of public sector enterprises. Develop an understanding of multinational company, joint ventures and public private partnership by studying their meaning and features.
4.	XI	BUSINESS STUDIES (PART – A) NCERT Text Book)	CH-4: Business services	<p>The learners</p> <ol style="list-style-type: none"> Understand the meaning and types of business services. Discuss the meaning and types of business services Banking. Develop an understanding of different types of bank account. Develop an understanding of the different services provided by banks. Recall the concept of insurance understand the principles of insurance and different types of insurance should be discuss. Describe the utility of different telecom and postal services
5.	XI	BUSINESS STUDIES (PART – A) NCERT Text Book)	CH-5: Emerging Modes of Business	<p>The learners</p> <ol style="list-style-type: none"> Describe the meaning of e- business. Discuss the scope of e- business. Appreciate the benefits of e-business Distinguish e-business from traditional business. Understand the concept of Outsourcing. Examine the scope of Outsourcing, appreciate the need of Outsourcing. Discuss the meaning of BPO and KPO

6.	XI	BUSINESS STUDIES (PART – A) (NCERT Text Book)	CH-6: Social Responsibility of Business and Business Ethics	<p>The learners</p> <ol style="list-style-type: none"> 1. Explain the concept of social responsibility. 2. Examine the cases for social responsibility. 3. Identify the social responsibility towards different interest groups. 4. Appreciate the role of business in environment protection. 5. State the concept of business ethics and Describe the elements of business ethics.
7.	XI	BUSINESS STUDIES (PART – B) (NCERT Text Book)	CH-7 : Sources of Business Finance:	<p>The learners</p> <ol style="list-style-type: none"> 1. State the meaning, nature and importance of business finance. 2. Classify the various sources of funds into owners' funds and explain the meaning of owners' funds. 3. Understand the meaning of Global Depository receipts, American Depository Receipts and International Depository Receipts. State the meaning of borrowed funds. 4. Discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, Trade credit and inter corporate deposits. 5. Distinguish between owners' funds and borrowed funds.
8.	XI	BUSINESS STUDIES (PART – B) (NCERT Text Book)	CH-8: Small Business and Entrepreneurship Development	<p>The learners</p> <ol style="list-style-type: none"> 1. Understand the concept of Entrepreneurship Development (ED), Intellectual Property Rights. Understand the meaning of small business. 2. Discuss the role of small business in India. 3. Appreciate the various Government schemes and agencies for development of small scale industries. NSIC and DIC with special reference to rural, backward area.
9.	XI	BUSINESS STUDIES (PART – B) (NCERT Text Book)	CH-9 : Internal Trade	<p>The learners</p> <ol style="list-style-type: none"> 1. Explain the meaning and types of internal trade. 2. Appreciate the services of wholesalers and retailers. 3. Describe the different types of retail trade. 4. Highlight the distinctive features of departmental stores, Chain stores and mail order business..
10.	XI	BUSINESS STUDIES (PART – B) (NCERT Text Book)	CH-10: International Trade	<p>The learners</p> <ol style="list-style-type: none"> 1. Understand the concept of International Trade. 2. Describe the scope of international trade to the nation and business firms. 3. State the meaning and objectives of export trade. 4. Explain the important steps involved in executing export trade. 5. State the meaning and objectives of import trade. 6. Develop an understanding of the various documents used in international trade. 7. Identify the specimen of the various documents used in international trade. 8. Highlight the importance of the documents needed in connection with international trade transactions 9. Explain the meaning of World Trade Organisation. Discuss the objective of World Trade Organisation in promoting international trade.

CLASS-XI, SUB: Biology (044)

BOOKS PRESCRIBED: 1 NCERT Biology

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE	
			HALF YEARLY	ANNUAL
UNIT TEST - I	June	<u>Unit-1 Diversity in the living world</u> Ch-1 The living world Ch-2 Biological classification	15	10
	July	Ch-3 Plant Kingdom Ch-4 Animal Kingdom		
		<u>Unit-II</u> Ch-5 Morphology of flowering plants	22	12
	Aug	Ch-6 Anatomy of flowering plants CH-7 Structural Organisation in Animals		
		<u>Unit III</u> Ch-8 Cell the unit of life	28	14
		Ch-9 Biomolecules		
	Sept	Ch-10 Cell cycle and cell division Unit-IV Plant Physiology Ch-11 Transport in plant Ch-12 Mineral nutrition Ch 13 Photosynthesis	05 Total: 70	
	Oct	Revision for HALF YEARLY EXAMINATION		
	Nov	Ch-14 Respiration in plants		17
		Ch-15 Plant growth and development		
		Unit-V Animal physiology Ch-16 Digestion and absorption Ch-17 Breathing and Exchange of gas		
UNIT TEST - II	Dec	Ch-18 Body fluids and circulation Ch-19 Excretory products and their elimination Ch-20 Locomotion and movement		17
		Ch-21 Neural control and co-ordination		
	Jan	Ch-22 Chemical co-ordination and Integration		
		Revision for PRE-ANNUAL		
	Feb	Revision for ANNUAL EXAMINATION		
				Total: 70

QUESTION PATTERN

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	5	05
SA - I	2	7	14
SA - II	3	9	27
CASE-BASED SA	3	3	09
LA	5	03	15
Total		27	70

DESIGN

Time: 3 Hrs.

Max. Marks: 70

Weightage and the distribution of marks over different dimensions of the question paper shall be as follows:

WEIGHTAGE TO CONTENT/SUBJECT UNITS

Unit No.	Title	Marks
Unit- I	Diversity in Living World	10
Unit-II	Structural Organization in Animals and Plants	12
Unit-III	Cell : Structure and Functions	14
Unit- IV	Plant Physiology	17
Unit - V	Human physiology	17
Total:		70

SCHEME OF OPTIONS

- There is no overall choice in the paper. However, there is an internal choice in two question of 1mark weightage, one question of 2marks weightage, two questions of 3marks weightage and all the three questions of 5 marks weightage.

BIOLOGY (PRACTICAL)**MAX. MARKS: - 30****60 PERIODS****TIME: 3 HRS.**

SL NO.	MONTH	DETAILS OF THE EXPERIMENTS TO BE PERFORMED	DETAILS OF THE SPOTTINGS TO BE PERFORMED
1	June	1. Study and describe three locally available common flowering plants one each of the families Solanaceae, Fabaceae and Liliaceae.	----
2	July	2. Preparation and study of T.S Dicot and Monocot roots and stems	1. Study of plant specimens, slides/models of bacteria, oscillatoria, spirogyra, Rhizopus, Mushroom, Yeast, Liverwort, Moss, Pine, fern, Lichen, one monocot and one dicot plant.
3	Aug.	3. Study osmosis by potato osmometer.	2. Study of Animal specimens/ slides /Models of Amoeba, Hydra, Liverfluke, Ascaris, Leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pegin, rabbit.
4	Sep.	4. Study of distribution of stomata for the comparative study of rates of transpiration.	3. a. Study of palisade cell, parenchyma, collenchymas, sclerenchyma, xylem, phloem from plant tissue. b. Squamous epithelium, muscle fibre and mammalian blood smear from animal tissue through temporary or permanent slides.
5	Oct.	5. Test for the presence of sugar starch and proteins & fats.	4. Study of Mitosis in onion root tip cells and grass hopper cells from permanent slides. 5. Study of imbibitions in seeds/ raisins
6	Nov.	6. Separation of plant pigments through paper chromatography. 7. Study the rate of respiration.	6. Study of different modifications in root, stem and leaves. 7. Study of different types of cymose and racemose inflorescence 8. Observation and Comment on the experimental set up for sharing aerobic respiration, phototropism and apical bud removal and suction due to transpiration.
7	Dec.	8. To test the presence of sugar and urea in urine. 9. To test the presence of albumin and Bile salts in urin.	9. Study of human skeleton and types of joints. 10. Study of external Morphology of cockroach through specimens/ models.

Subject: Biology (Practical)

Max. Marks: - 30

60 periods

Time: 3 hrs.

Sec- A	One major experiment	5 Marks
	One minor experiment	4 Marks
Sec- B	Slide preparation	5 Marks
Sec- C	Spotting	7 Marks
Sec - D	Practical Record + viva voce	4 Marks
Sec - E	Project Record + viva voce	5 Marks
Total	30 Marks	

DELETED TOPICS

▪ **Under Unit 1: Diversity of Living Organisms**

○ **Chapter-1: The Living World**

- taxonomy and systematics;
- tools for study of taxonomy- museums, zoological parks, herbaria, botanical gardens, keys for identification.

○ **Chapter-3: Plant Kingdom**

- Angiospermae; Angiosperms - classification up to class, characteristic features and examples.

▪ **Under Unit-II Structural Organization in Animals and Plants**

○ **Chapter-5: Morphology of Flowering Plants**

- Morphology and modifications: Morphology of different parts of flowering plants: root, stem, leaf, fruit and seed.
- Description of families: - Fabaceae

○ **Chapter-6: Anatomy of Flowering Plants**

- Anatomy and functions of different tissues and tissue systems in dicots and monocots. Secondary growth.

○ **Chapter-7: Structural Organisation in Animals**

- Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach), (a brief account only).

• **Under Unit-IV Plant Physiology**

○ **Chapter-11: Transport in Plants**

- Movement of water, gases and nutrients; cell to cell transport, diffusion, facilitated diffusion, active transport; plant-water relations, imbibition, water potential, osmosis, plasmolysis; long distance transport of water - Absorption, apoplast, symplast, transpiration pull, root pressure and guttation; transpiration, opening and closing of stomata; Uptake and translocation of mineral nutrients - Transport of food, phloem transport, mass flow hypothesis.

○ **Chapter-12: Mineral Nutrition**

- Essential minerals, macro- and micronutrients and their role; deficiency symptoms; mineral toxicity; elementary idea of hydroponics as a method to study mineral nutrition; nitrogen metabolism, nitrogen cycle, biological nitrogen

fixation.

○ **Chapter-15: Plant - Growth and Development**

- Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell;
- Seed dormancy; vernalisation; photoperiodism

• **Under Unit-V Human Physiology**

○ **Chapter-16: Digestion and Absorption**

- Alimentary canal and digestive glands, role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; calorific values of proteins, carbohydrates and fats; egestion; nutritional and digestive disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhoea.

○ **Chapter-20: Locomotion and Movement**

- Types of movement - ciliary, flagellar, muscular;
- Skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.

○ **Chapter-21: Neural Control and Coordination**

- reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear

DELETED PORTIONS CLASS XI: PRACTICAL	
A: List of Experiments	
1. Description of Family Fabaceae; Types of root (Tap and adventitious); types of stem (herbaceous and woody); leaf(arrangement, shape, venation, simple and compound).	
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary)	
3. Study of osmosis by potato osmometer.	
4. Study of plasmolysis in epidermal peels (e.g. Rhoeo/lily leaves or flashy scale leaves of onion bulb).	
5. Comparative study of the rates of transpiration in the upper and lower surface of leaves.	
6. Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.	
7. Test for presence of urea in urine.	
B. Test for presence of bile salts in urine.	
B. Study/Observation of the following (spotting)	
1. Tissues and diversity in shape and size of plant cells (palisade cells, guard cells, parenchyma, collenchyma, sclerenchyma, xylem and phloem) through temporary and permanent slides.	
2. Different modifications in roots, stems and leaves.	
3. Different types of inflorescence (cymose and racemose).	
4. Human skeleton and different types of joints with the help of virtual images/models only.	

BLUE PRINT (HALF YEARLY)

Sl.No.	CONTENTS UNIT/FORMS OF QUESTIONS	VSA(1)	SA-(2)	LA-I(3)	CASE- BASED SA(3)	LA-II(5)	TOTAL MARKS
1	UNIT I: DIVERSITY IN LIVING WORLD	1X1=1 CH-1	-----	3X2=6 CH-2,4	3X1=3 CH-3	1X5=5 CH-3	15
2	UNIT II: STRUCTURAL ORGANISATIONS IN PLANTS AND ANIMALS	1X2=2 CH-5,7	2X3=6 CH-5,7	3X2=6 CH-5,7	3X1=3 CH-5	1X5=5 CH-7	22
3	UNIT III: CELL:STRUCTURE AND FUNCTION	1X2=2 CH-8,9	2X3=6 CH-8,9,10	3X4=12 CH-8,9,10	3X1=3 CH-10	1X5=5 CH-9	28
4	UNIT IV:PLANT PHYSIOLOGY		2X1=2 CH-13	3X1=3 CH-13			05
	TOTAL	1X5=5	2X7=14	3X9=27	3X3=9	5X3=15	70

LEARNING OUTCOMES
SUBJECT: BIOLOGY

Sl. No	Class	Name of the Text Book	Chapter/ Lesson	Learning Outcomes
1	XI	Biology Textbook for Class 11	Ch.1. The Living World	Learner will be able to :
				i) Define the terms biodiversity ,classification , identification , taxonomy and Nomenclature.
				ii) Enumerate the universal rules of Binomial nomenclature given by the ICBN and ICZN.
				iii) Explain the taxonomic categories and their hierarchy with suitable examples.
				iv) Analyse the taxonomic aids and their importance.
				v) Exhibit the values of honesty and rational thinking for conserving life.
				vi) Describe the concept of classification.
2	XI		Ch.2. Biological classification	Learner will be able to :
				i) Describe the five kingdom classification and mention its advantages over the two Kingdom system of classification.
				ii) Define the terms Isogamy , Anisogamy , Oogamy , plasmogamy , karyogamy and dikaryon.
				iii)Mention the distinguishing features of five kingdoms.
				iv) Enlist the group of organisms that are not included in the five kingdom classification and describe them.
				v) Explain the terms : gametophyte and sporophyte and alternation of generation with reference to plants.
				vi) Analyse the basis of classification.
3	XI		Ch.3. Plant Kingdom	Learner will be able to :
				i) Describe artificial , natural system of classification and explain the differences between them.
				ii) Explain heterospory and seed habit.
				iii)Compare the different classes of Algae on the basis of their pigments , reserve food materials , thallus organisation and reproduction.
				iv) Explain double fertilization and alternation of generations in angiosperms.
				v) Enumerate the characteristics of five divisions of plant Kingdom.
				vi) Enlist the different types of life cycles exhibited by the different plant groups with suitable examples.
4	IX		Ch.4. Animal Kingdom	Learner will be able to :
				i)Define the terms of Radial symmetry , Bilateral symmetry ,asymmetry ,Triploblastic , Diploblastic , Acoelomate , Pseudocoelomate and Metamerism.
				ii)Analyse the comparative study of invertebrates and vertebrates.
				iii) Remember the unique features of animal kingdom.
				iv) Demonstrate the levels of organisation in Animals.
				v) Describe the salient features of different phyla.
				vi) Explain the phylogenetic relationship between different groups of animals.

5	IX		Ch.5. Morphology of Flowering Plants	Learner will be able to :
			i) Enlist various morphological aspects of plants.	
			ii) Describe the modification of stem , roots and leaves with examples.	
			iii) Classify the angiosperms on the basis of cotyledons.	
			iv) Explain the different types of Phyllotaxy. Placentation and Aestivation with examples.	
			v) Demonstrate the taxonomic descriptions of important Families.	
			vi) Compare the distinguishing features of families and give common examples and their economic importance.	
			vii) Define Inflorescence and distinguish between Racemose and Cymose inflorescence.	
6	IX		Ch.6. Anatomy of Flowering Plants	Learner will be able to :
			i) Describe the different types of plant tissues , their location in the plant body and functions.	
			ii) Explain the three different tissue systems in plants with examples.	
			iii) Classify meristematic tissues on the basis of their position in the plant body and origin.	
			iv) Differentiate between different types of wood.	
			v) Create an idea about the secondary growth of plants that occurs in dicot stem and dicot root.	
			vi) Compare between the meristematic and permanent tissues ,simple and complex tissues.	
7	IX		Ch.7. Structural Organisation in Animals	Learner will be able to :
			i) Explain the basic structure , the location and functions of various simple and stratified Epithelial tissues.	
			ii) Describe the three types of cell junctions and their functions.	
			iii) Draw labelled diagram of different types of connective tissues.	
			iv) Differentiate among striated and unstriated and cardiac muscles.	
			v) Explain the external morphology the body divisions and appendages of Cockroach and distinguish between a male and female Cockroach.	
			vi) Define the different types of animal tissues and mention their functions.	
8	IX		Ch8. Cell : The unit of life	Learner will be able to :
			i) Analyse the concept of Prokaryotic and Eukaryotic cells and explain their unique features.	
			ii) Draw the labelled diagram of different cell organelles.	
			iii) Enlist the different types of chromosomes on the basis of the position of centromere.	
			iv) Define the terms of kinetocore , Sat- chromosome , Histones , their locations and functions.	
			v) Describe the structural components of endomembrane system and its function.	
			vi) Explain the structure and functions of cilia , flagella and nucleus.	

9	XI		Ch.9. Biomolecules	Learner will be able to :
				i) Define the following terms : Enzyme , Apoenzyme , Coenzyme , Prosthetic group , Inhibition of enzyme action.
				ii) Analyse the chemical composition of plant and animal tissues.
				iii) Distinguish between primary and secondary metabolites.
				iv) Describe the structure and functions of biomolecules -proteins , polysaccharides and nucleic acids.
				v) Explain the classification and nomenclature of enzymes.
				vi) Describe the mechanism of enzyme action and how it is affected by various factors like temperature pH ,substrate concentration etc.
10	XI		Ch.10.Cell Cycle and Cell Division	Learner will be able to :
				i) Explain the events that occur during interphase.
				ii) Draw a diagram to show the events in a cell cycle.
				iii) Mention the significance of mitosis and meiosis.
				iv) Describe the events of mitosis and meiosis.
				v) Enlist the different stages of prophase I of meiosis I.
11	XI		Ch 11. Transport in Plants	Learner will be able to :
				vi) Compare between mitosis and meiosis.
				i) Define the terms : Diffusion , Osmosis , Facilitated diffusion Translocation ,Active transport and compare each with other.
				ii) Explain water potential , solute potential and pressure potential.
				iii) Describe the uptake and transport of mineral ions in plants.
				iv) Demonstrate osmosis by taking the potato osmometer.
				v) Explain phloem transport and the pressure flow hypothesis explaining it.
				vi) Define the terms Plasmolysis , Deplasmolysis ,Turgor pressure , Hypotonic , Isotonic and Hypertonic solution.
12	XI		Ch.12. Mineral Nutrition	Learner will be able to :
				i) Compare the micro and macro nutrients and mention their role.
				ii) Demonstrate the technique of hydroponics.
				iii) Write the criteria of essentiality of mineral nutrients.
				iv) Describe the nitrogen cycle operating in nature.
				v) Explain the toxicity of micronutrients.
				vi) Describe the formation of root nodules in leguminous plants.
13	XI		Ch13. Photosynthesis in higher Plants	Learner will be able to :
				i) Enlist the summary of Light and Dark reaction.
				ii) Classify the plans into C3 and C4 on the basis of the mechanism of photosynthesis.
				iii) Define PSI , PSII , LHC , Action spectrum and Absorption spectrum.
				iv) Create an idea about the mechanism of Cyclic and Noncyclic photophosphorylation.
				v) Compare PSI with PSII.
				vi) Describe photorespiration and its significance.

14	XI		Ch.14. Respiration in Plants	Learner will be able to :
				i) Define Cellular Respiration , Aerobic and Anaerobic respiration , Respiratory quotient , Fermentation.
				ii) Compare the mechanism of Glycolysis and TCA cycle.
				iii) Describe the steps of ETS and give a schematic representation of it.
				iv) Explain kreb's cycle and its significance.
				v) Draw conclusion about balance sheet of ATP.
				vi) Explain the respiratory quotient and show the respiratory quotient for various respiratory substrates.
15	XI		Ch.15. Plant Growth and Development	Learner will be able to :
				i)Enlist the plant growth regulators ,mention their chemical nature and the physiological effects of each of them on plant growth and development.
				ii) Define photoperiodism and describe Long day plants, Short day plants and Day neutral plants with examples.
				iii) Analyse how the growth of plants differ from the growth of animals.
				iv) Explain Geometric and Arithmetic growth.
				v) Describe seed dormancy , mention its causes and describe breaking up seed dormancy in nature .
				vi) Define the terms Differentiation ,Dedifferentiation and Redifferentiation with examples.
16	XI		Ch.16. Digestion and Absorption	
				i) List the digestive glands ,their secretions associated with digestion.
				ii) Draw a labelled diagram of the alimentary canal.
				iii) Describe the process of digestion occurring in different parts of the alimentary canal and the enzymes involved.
				iv) Enumerate the different methods and the sites where absorption of the digested food products occur.
				v) Explain the neural and hormonal regulation of the activities of gastrointestinal tract.
				vi) Compare the two forms of protein energy malnutrition(PEM).
17	XI		Ch.17. Breathing	Learner will be able to :
				i) Explain the steps of mechanism of respiration.
				ii) Show diagrammatically the passage of air during the process.
				iii) Draw a labelled diagram of respiratory system of man.
				iv) Describe the transport and exchange of respiratory gases.
				v) List and explain the different respiratory volumes and respiratory capacities.
				vi) Explain briefly the regulation of respiration.

18	XI		Ch.18. Body Fluids and Circulation	Learner will be able to :
				i) Describe briefly the composition of blood and its functions.
				ii) Describe the circulatory pathways and explain the terms : open circulatory system, closed circulatory system, single circulation, incomplete double circulation, double circulation.
				iii) Explain the course of blood flow in the heart and the events in cardiac cycle.
				iv) Draw the labelled diagram of circulatory system of human beings.
				v) State the the origin and conduction of cardiac impulse.
				vi) Enlist the events of blood clotting.
19	XI		Ch.19. Excretory Products and their Elimination	Learner will be able to :
				i) Explain the structure of a Nephron.
				ii) Describe the structure and function of Kidneys.
				iii) List the secretory organs of different groups of animals.
				iv) Explain the mechanism of urine formation and the role of different parts of a Nephron in urine formation.
				v) State the role of lungs , liver and skin in excretion.
				vi) Describe the role of countercurrent mechanism in concentrating the urine.
20	XI		Ch.20. Locomotion and Movement	Learner will be able to :
				i) Explain the ultrastructure of muscles and the mechanism of muscle contraction.
				ii) Describe the different types of muscles based on the location in the body.
				iii) List the human skeletal system and the component bones and their number in each of them.
				iv) Draw the diagrams of different stages of muscle contraction , bones of skull , vertebral column , ribcage , forelimb and hindlimb.
				v) Explain the disorders that causes and symptoms of the disorders related to muscles and skeletal system.
				vi) Define the contractile proteins and their functions.
21	XI		Ch.21. Neural Control and Co-	Learner will be able to :
				i) Differentiate between the central nervous system and peripheral nervous system.
				ii) Draw a labelled diagram of a Neuron and describe its structure.
				iii) Explain Reflex Action and Reflex Arc which suitable examples.
				iv) Describe the structure of Human Eye and the mechanism of vision.
				v) Explain the synapses and the conduction of nerve impulse across the synapse.
				vi) Analyse how the nose functions as an organ of olfaction.
22	XI		Ch.22. Chemical Co-ordination and Integration	Learner will be able to :
				i) Explain the chemical nature and mechanism of action of hormones.
				ii) Describe the location structure and functions of the different Endocrine glands.
				iii) State the functions of hormones from Heart , Kidney and Gastrointestinal glands.
				v) Describe the mechanism of Hormone action.
				vi) Analyse why the pituitary gland is known as the master gland.

**SPLIT-UP OF SYLLABUS 2020-21
CLASS-XI, SUB : CHEMISTRY (043)**

BOOK PRESCRIBED: TEXT BOOK FOR CLASS - XI CHEMISTRY (PART - I & II), NCERT
(Unit No. and Details of syllabus according to CBSE syllabus)

	MONTH	CHAPTER / TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE		
			HALF YEARLY	PRE ANNUAL/ANNUAL	
	JUNE	Unit I Some basic concepts of chemistry	10	Unit – I Unit –II	11
	JULY	Unit – II Structure of Atom Unit – III classification of elements and periodicity in properties	12 10	Unit – III	04
UNIT TEST I	AUGUST	Unit – IV Chemical bonding and Molecular structure Unit – V States of matter	12 10	Unit – IV Unit – V Unit – VI Unit - VII	21
	SEPTEMBER	Unit – XIV Environmental chemistry Unit – VIII Redox reaction	08		
		Unit – VI Chemical thermodynamics	08		
			Total: 70		
	OCTOBER	REVISION & HALF YEARLY EXAMINATION		Unit – VIII Unit – IX Unit – X Unit – XI	16
	NOVEMBER	Unit – VII Equilibrium Unit – XII Organic Chemistry: Some Basic principle and techniques			
UNIT TEST II	DECEMBER	Unit – XIII Hydrocarbons Unit – IX Hydrogen Unit – X s-Block elements		Unit – XII Unit – XIII	18
	JANUARY	Unit – XI Some p-Block elements REVISION & PRE-ANNUAL EXAM			
	FEBRUARY	REVISION & ANNUAL EXAMINATION		Total - 70	

QUESTION PATTERN

PART-A : Objective Type Paper

TYPE	MARKS FOR EACH QUESTION	NO. OF QUESTIONS	TOTAL MARKS	PERCENTAGE
Objective	1	19	19	54.29
	2	5	10	28.57
Case based	3	2	6	17.14
Total		26	35	100

PART-B : Descriptive Paper

TYPE	MARKS FOR EACH QUESTION	NO. OF QUESTIONS	TOTAL MARKS	PERCENTAGE
Short Answer-I	2	4	8	22.86
Short Answer-II	3	4	12	34.28
Long Answer	5	3	15	42.86
Total		11	35	100

NB: 1. No chapter wise weightage. Care to be taken to cover all the chapters. There is no overall choice. However 33% internal choices will be given in both the sections separately. Suitable internal variations may be made for generating various templates.

2. Question for Pre-Annual/Annual examination will be as per DAV CAE Guidelines.

CHEMISTRY (PRACTICAL)**Max. Marks: - 30****60 Period****Time: 3 hrs.**

Sl. No.	MONTH	DETAILS OF EXPERIMENT TO BE PERFORMED
1	June	Basic laboratory techniques
2	July	Characterization and purification of chemical substances
3	Aug	Quantitative Estimation: using chemical balance, preparation of standard solution of oxalic acid and sodium carbonate, Titration (Acid -base)
4	Sept	Qualitative analysis: Determination of one cation and one anion in a given salt
5	Oct	HALF YEARLY EXAMINATION
6	Nov.	Detection of nitrogen, sulphur, chlorine in the organic chemistry
7	Dec	Chemical Equilibrium (any one Experiment) Experiment based on pH (any one Experiment)
8	Jan	PRE-ANNUAL EXAM
9	Feb	ANNUAL EXAM

EVALUATION SCHEME FOR PRACTICAL EXAMINATION

SL. NO.	EVALUATION SCHEME FOR PRACTICAL EXAMINATION	MARKS
1	Volumetric Analysis	08
2	Salt Analysis	08
3	Content based Experiment	06
4	Project work	04
5	Class record and viva voce	04
	Total	30

N.B.: Project (Scientific Investigation involving laboratory testing and collecting information from other sources.) Any investigatory project, which involves about 10 periods of work, can be chosen with the approval of the teacher.

DELETED TOPICS

S No	Unit	Portion to be Reduced
1	Some Basic Concepts of Chemistry	Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules.
2	Structure of Atom	Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations
3	Classification of Elements and Periodicity in Properties	Significance of classification, brief history of the development of periodic table,
4	Chemical Bonding and Molecular Structure	--
5	States of Matter: Gases and Liquids	liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea), Liquid State- vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations)
6	Chemical Thermodynamics	Heat capacity and specific heat capacity, Criteria for equilibrium
7	Equilibrium	hydrolysis of salts (elementary idea), Henderson Equation
8	Redox Reactions	applications of redox reactions
9	Hydrogen	Preparation, properties and uses of hydrogen, hydrogen peroxide - preparation, reactions and structure and use;
10	s-Block Elements	Preparation and Properties of Some important Compounds: Sodium Carbonate, Sodium Chloride, Sodium Hydroxide and Sodium Hydrogen carbonate, Biological importance of Sodium and Potassium. Calcium Oxide and Calcium Carbonate and their industrial uses, biological importance of Magnesium and Calcium.
11	Some p-Block Elements	Some important compounds: Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalies, uses; Carbon: uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses.
12	Organic Chemistry: Some basic Principles and Techniques	methods of purification, qualitative and quantitative analysis
13	Hydrocarbons	free radical mechanism of halogenation, combustion and pyrolysis.
14	Environmental Chemistry	Entire chapter

Practical

The following portion to be deleted

c. Experiments based on pH

i) Any one of the following experiments:

- Determination of pH of some solutions obtained from fruit juices; solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.
- Comparing the pH of solutions of strong and weak acids of same concentration.
- Study the pH change in the titration of a strong base using universal indicator.

ii) Study the pH change by common-ion in case of weak acids and weak bases.

d. Chemical Equilibrium

One of the following experiments:

a) Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions.

b) Study the shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ and chloride ions by changing the concentration of either of the ions.

LEARNING OUTCOMES
SUBJECT: CHEMISTRY

Sl.No	Class	Name of the Text Book	Chapter/ Lesson	Learning Outcomes
1	XI	NCERT, Chemistry XI-part-I	Ch-1.Some basic concepts of chemistry	The learners will be able to :
				i) Explain various laws of chemical combination such as conservation of mass,law of definite proportion, law of multiple proportion, Gay lussac law, Avogadro's law .
				i)Take initiative to know about scientific discovery and invention.
				ii) Know the difference between unified mass and gram.
				iii) Know the concept of mole and molar mass and apply to solve numericals.
				iv) Calculate and appreciate significance of atomic mass average atomic mass, empirical formula, stoichiometric calculation.
				v) Define limiting reagent and solve problem based on limiting reagent.
				vi) apply concept of chemistry in day to day life while solving problems.
2	XI		Ch-2.Structure of atom.	The learners will be able to :
				i) Take initiative to know the discovery of electrons, protons and neutrons.
				ii)Take initiative to learn about Thomson's, Rutherford and Bohr's atomic model.
				iii) Understand the properties of electromagnetic radiation and planck's Quantum theory.
				iv) Txpain about photoelectric effect and the features of spectra.
				v) Remember values and importance of quantum numbers and schrodinger wave equation.
				vi) Define Aufbau principle, Hund's rule, pauli's exclusion principle and application.
				vii) Take initiative to know and learn about electronic configuration of atoms.
				viii) Know the stability of half filled and fully filled orbitals and shapes of s, p and d orbitals.

3	XI		Ch-3. classification of elements and periodicity in properties.	The learners will be able to :
				i) Define modern periodic law.
				ii) classify elements into period, group & block (s,p, d and f- block)on the basis of electronic configuration and describe characteristic properties.
				iii) Compare reactivity of elements and their occurrence in nature as a free state or combined state.
				iv) Analysis the variation of ionization enthalpy and electron gain enthalpy, electronegativity, metallic and non metallic character, acids and basic nature and other physical and chemical properties along the periods and groups.
				v) Know the anomalous behaviour of elements of group and their diagonal relationship with elements of neighbouring group.
4	XI		Ch-4. chemical bonding and molecular structure	The learners will be able to :
				i) Identify the Lewis structure and know how to write electron dot structure of elements.
				ii) Know octet rule and its drawback.
				iii) Describe VSEPR theory and apply it to predict shapes of molecules and ions.
				iv) Know the valence bond theory for the formation of covalent bond.
				v) Know sp,sp ² ,sp ³ ,sp ³ d,sp ³ d ² hybridisation and draw shape of molecules involving orbital overlapping.
				vi) Describe molecular orbital theory and its application.
				vii) evaluate bond order , the concept of hydrogen bond and its types.
5	XI		Ch-5. States of matter	The learners will be able to :
				i) Enlist the gaseous laws, derive their formula and apply them in numericals.
				ii) derive ideal gas equation and solve numericals.
				iii) Apply gas laws in real life situations
				iv) Compare the behaviour of ideal gases and real gases
				v) Analyse the critical temperature, pressure, volume, Boyle's temperature
				vi) Know the properties of liquids in term of intermolecular attraction such as vapour pressure, viscosity, surface tension, density and boiling point.

6	XI		Ch-6. Thermodynamics	The learners will be able to :
				i) Define the first law of thermodynamics, internal energy, enthalpy and enthalpy change.
				ii) Compare the relationship between enthalpy of reaction and enthalpy of formation of reactants and products.
				iii) Apply enthalpy of reaction using Hess's law.
				iv) Define bond enthalpy, bond dissociation, and dissociation enthalpy and entropy.
				v) Know the relationship between G , H and S , remember the standard Gibbs energy of formation of a substance.
				vi) Relate the standard Gibbs energy change with the equilibrium constant and solve numericals.
7	XI		Ch-7. Equilibrium	The learners will be able to :
				i) Compare between reversible and irreversible reaction.
				ii) Define the law of mass action and derive the relation between K_c and K_p .
				iii) Enlist the factors which affect the state of equilibrium and apply Le-Chatelier's principle.
				iv) Compare between strong and weak electrolytes and correlate the degree of dissociation and dissociation constant of a weak electrolyte.
				v) Define pH, buffer solution and common ion effect in ionisation of weak acids and bases.
				vi) Identify the common ion effect on solubility equilibrium and the application of common ion effect.
8	XI	NCERT, Chemistry-XI, Part-II	Ch-8 Redox reaction	The learners will be able to :
				i) Classify the redox reaction as oxidation and reduction.
				ii) Calculate oxidation number of elements and its oxidant and reductant.
				iii) Classify the redox reaction as combination, decomposition, displacement, disproportionation reaction.
				iv) Balance the chemical equation by oxidation number method and ion electron method in acidic as well as basic medium.
				v) Identify electrochemical cell and redox couple and the role of Salt bridge.
				vi) Analyse the electrochemical series of the elements or ions on the basis of reduction potential in order of oxidising or reducing power.

9	XI		Ch-9. Hydrogen	The learners will be able to :
				i)Identify the chemical equation for the preparation of hydrogen in lab and commercial scale and its properties.
				ii)Differentiate between isotopes of hydrogen.
				iii)Enlist the difference between hard water and soft water.
				iv)Know the structure of water,its physical,chemical properties and uses of water.
				v)Know the preparation, properties, uses of heavy water and hydrogen peroxide.
				vi)classify hydrides, electron precise, deficient and electron rich covalent hydrides.
				vii) Define hydrogen as fuel and hydrogen economy.
10	XI		Ch-10.s-Block Elements.	The learners will be able to :
				i)Compare the general characteristics of different alkali metals and alkaline earth metals and their compounds.
				ii)Differentiate between chemical reactivity of alkali metals and alkaline earth metals.
				iii)Classify anomalous behaviour of Li and Be and points of similarity between Li and Mg, Be and Al.
				iii)Enlist the different process of manufacture of sodium and calcium compounds.
				iv)Know biological role of Na, K, Ca and Mg.
11	XI		Ch-11.p-Block elements	The learners will be able to :
				i)Write the electronic configuration of group 13 and 14 elements and it's properties.
				ii)Enlist the anomalous behaviour of boron and carbon and similarity in the properties between
				iii)Classify the preparation properties and uses of boron, borax, orthoboric acid, silicones, silicates, zeolites.
				iv)enlist the allotrope and the difference between allotropes of carbon in terms of structures, properties and reactivity.

12	XI		Ch-12. organic chemistry- some basic principles and techniques.	The learners will be able to :
				i)Identify the tetravalency and shape of carbon compounds based on hybridization and to identify hybridisation of each carbon in a given organic compound.
				ii)Write structural formula of organic compounds in various way like bond line formula and write IUPAC name of organic compounds.
				iii)Enlist the order of preferences of functional group and apply them while naming organic compounds.
				iv)identify the concept of organic reaction mechanism and the stability of free radicals, carbocations and carbanion in organic reaction.
				v)Classify the types of reaction such as a substitution, electrophilic, addition and elimination.
				vi)Analyse the technique of purification of organic compounds based on different techniques.
13	XI		Ch-13.Hydrocarbon.	The learners will be able to :
				i)Identify and write the structures of isomers of alkanes, alkenes alkynes and aromatic hydrocarbons.
				ii)enlist the method of preparation of alkane, alkene, alkyne and aromatic hydrocarbons.
				iii)Compare between alkane, alkene and alkyne on its physical and chemical properties and their reactivity.
				iv)Analyse the mechanism of free radicals, carbocation and for substitution and addition reactions.
				v)Compare between various confirmation of ethane and geometrical isomerism in alkenes.
				vi)Predict the product of addition reactions of unsymmetrical alkenes and alkynes and explain the mechanism of a formation and peroxide effect.
				vii)Analyse the structure of benzene, explain aromaticity on the basis of Huckel rule and mechanism of electrophilic substitution reaction of benzene.

				viii) Identify electron releasing and electron withdrawing groups and their directive influence on electrophilic substitution reaction.
14	XI		Ch-14. Environmental Chemistry.	The learners will be able to :
				i) Know about air pollution and its causes.
				ii) Enlist the effects of global warming, greenhouse effect and acid rain and prevention of air pollution.
				iii) Identify the causes of depletion of ozone layer and its effects and prevention of its depletion.
				iv) Analyse the causes and effects of water pollution and prevention of water pollution.
				v) Classify the solid waste management and disposal of bio degradable and non-biodegradable waste materials.
				vi) Analyse the importance of green chemistry and its benefits in daily life.

CLASS-XI, Sub: Computer Science (083)

Book Prescribed: Computer Science with Python by Sumita Arora, Dhanpat Rai & Co

Exams	Months	Chapters / Topics to be taught	Chapter wise weightage		
			Half Yearly	Pre-Annual	
UNIT TEST – I (August)		Unit I: Computer Systems and Organisation			
	JUNE	<ul style="list-style-type: none"> ➤ Computer System Overview ➤ Data Representation 	05 07	10	
	JULY	<ul style="list-style-type: none"> ➤ Boolean Logic ➤ Insight into Program Execution 	08 05		
			Unit II: Computational Thinking and Programming - 1		
	JULY	<ul style="list-style-type: none"> ➤ Computational Thinking and Getting started with Python ➤ Python Fundamentals 	04 08	45	
	AUGUST	<ul style="list-style-type: none"> ➤ Data Handling ➤ Conditional and Iterative Statements 	08 15		
	SEPTEMBER	<ul style="list-style-type: none"> ➤ String Manipulation 	10		
		Total : 70			
Revision for Half Yearly Exam					
UNIT TEST – II (December)	OCTOBER	<ul style="list-style-type: none"> ➤ Debugging Programs 			
	NOVEMBER	<ul style="list-style-type: none"> ➤ List Manipulation ➤ Tuples ➤ Dictionaries 			
	DECEMBER	<ul style="list-style-type: none"> ➤ Understanding Sorting 			
			Unit III: Society, Law and Ethics		
	DECEMBER	<ul style="list-style-type: none"> ➤ Cyber Safety 		15	
PRE-ANNUAL & ANNUAL	JANUARY	<ul style="list-style-type: none"> ➤ Online Access and Computer Security <p style="text-align: center;">Revision for Pre-Annual</p>			
	FEBRUARY	Revision for Annual Exam			
				TOTAL 70	

Practical

S.No.	Unit Name	Marks (Total=30)
	Lab Test (12 marks)	
1	Python program (60% logic + 20% documentation + 20 % code quality)	12
2	Report File + Viva (10 marks)	
	Report file : Minimum 20 python programs	7
	Viva voce (based on the report file)	3
3	Project (8 marks) (that uses most of the concepts that have been learnt See CS-XII for the rules regarding the projects)	8

4. Suggested Practical List

Python Programming

- Input a welcome message and display it.
- Input two numbers and display the larger / smaller number.
- Input three numbers and display the largest / smallest number.
- Given two integers x and n, compute x^n .
- Write a program to input the value of x and n and print the sum of the following series:
 - $1+X+X^2+X^3+X^4+\dots\dots X^n$
 - $1-X+X^2-X^3+X^4-\dots\dots X^n$
 - $X + \frac{X^2}{2} - \frac{X^3}{3} + \frac{X^4}{4} \dots\dots\dots \frac{X^n}{n}$
 - $X + \frac{X^2}{2!} - \frac{X^3}{3!} + \frac{X^4}{4!} \dots\dots\dots \frac{X^n}{n!}$
- Determine whether a number is a perfect number, an Armstrong number or a palindrome.
- Input a number and check if the number is a prime or composite number.
- Display the terms of a Fibonacci series.
- Compute the greatest common divisor and least common multiple of two integers.
- Count and display the number of vowels, consonants, uppercase, lowercase characters in string.
- Input a string and determine whether it is a palindrome or not; convert the case of characters in a string.
- Find the largest/smallest number in a list/tuple
- Input a list of numbers and swap elements at the even location with the elements at the odd location.
- Input a list of elements, sort in ascending/descending order using Bubble/Insertion sort.
- Input a list/tuple of elements, search for a given element in the list/tuple.
- Input a list of numbers and test if a number is equal to the sum of the cubes of its digits. Find the smallest and largest such number from the given list of numbers.
- Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.

DELETED TOPICS

Unit I: Computer Systems and Organisation <ul style="list-style-type: none"> • Encoding Schemes : UTF8, UTF32 • Concept of cloud computing and cloud services (SaaS,IaaS,PaaS), cloud (public/private), Blockchain technology
Unit II: Computational Thinking and Programming - 1 <p>Decomposition – concept, need for decomposing a problem, examples of problem solving using decomposition.</p> <ul style="list-style-type: none"> • Sorting algorithm: bubble and insertion sort; count the number of operations while sorting.
Suggested Practical List Input a list of elements, sort in ascending/ descending order using Bubble/ Insertion sort.

LEARNING OUTCOMES **SUBJECT: COMPUTER SCIENCE**

- Ability to understand and apply basic computational thinking.
- Ability to understand the notion of data types and data structures and apply in different situations.
- Ability to appreciate the notion of an algorithm and apply its structure including how algorithms handle corner cases.
- Ability to develop a basic understanding of computer systems - architecture, operating system, mobile and cloud computing.
- Ability to work in the cyber world with understanding of cyber ethics, cyber safety and cybercrime
- Ability to make use the value of technology in societies, gender and disability issues and the technology behind biometric ids.

CLASS-XI, SUBJECT-ECONOMICS (030)

BOOKS PRESCRIBED : **PART A: STATISTICS FOR ECONOMICS (NCERT)**

PART- B: INTRODUCTORY MICROECONOMICS (NCERT)

	MONTH	CHAPTER/ TOPICS TO BE TAUGHT	UNIT WISE WEIGHTAGE	
			HALF YEARLY	ANNUAL
UNIT TEST -I	JUNE	PART- A: STATISTICS FOR ECONOMICS UNIT-I INTRODUCTION	8	
	JULY	PART- B:INTRODUCTORY MICROECONOMICS UNIT – IV INTRODUCTION <ul style="list-style-type: none"> • Meaning of Micro and Macro Economics • Positive and Normative Economics • Central problems of an Economy • Concept of PPC and opportunity cost 	8	04
		PART- B:INTRODUCTORY MICROECONOMICS UNIT-V- CONSUMER'S EQUILIBRIUM AND DEMAND <ul style="list-style-type: none"> • Utility, Law of Diminishing marginal utility, consumer's equilibrium by utility analysis • Indifference curve analysis of consumer's Equilibrium • Demand, shift, movement and determinant • Price Elasticity of Demand • Factors and Measurement of Price Elasticity of Demand 	20	13
	AUGUST	PART- A: STATISTICS FOR ECONOMICS UNIT-II COLLECTION, ORGANIZATION AND PRESENTATION OF DATA UNIT – III STATISTICAL TOOLS AND INTERPRETATION - Measures of central tendency PART- B:INTRODUCTORY MICROECONOMICS UNIT-VI PRODUCER BEHAVIOUR AND SUPPLY .Production Function-short run and long run	12 14 12	Unit I+II 13 27 13
SEPTEMBER	.Concept of TP,MP,AP and Returns to a factor Concept of cost and revenue Measures of Dispersion upto Quartile Deviation	06		
		TOTAL 80		
	OCTOBER	REVISION FOR HALF YEARLY EXAMINATION HALF YEARLY EXAMINATION		
	NOVEMBER	PART- A: STATISTICS FOR ECONOMICS UNIT-III Measures of Dispersion; Mean Deviation and Standard Deviation ,Correlation PART- B:INTRODUCTORY MICROECONOMICS UNIT VI:Producers equilibrium and supply,Elasticity of supply		

		UNIT VII Forms of Market and price determination under perfect competition with simple application. <ul style="list-style-type: none"> Perfect competition : Features, determinants and effect of shift in demand and supply 		10
UNIT TEST -II	DECEMBER	PART- B: INTRODUCTORY MICROECONOMICS Other market forms Monopoly, Monopolistic competition <ul style="list-style-type: none"> Simple application of demand and supply : Price ceiling and price floor PART A: STATISTICS FOR ECONOMICS - Introduction to index number		
	JANUARY	REVISION FOR PRE-ANNUAL EXAMINATION PRE-ANNUAL EXAMINATION		
	FEBRUARY	REVISION FOR ANNUAL EXAMINATION		
		TOTAL		80
		PROJECT WORK		20
		MAXIMUM MARK		100

QUESTION PAPER DESIGN

Theory: 80 Marks+ project: 20 Marks

Sl. No.	Typology of questions	Very short answer/ MCQ 1 Marks	Short Answer (I) 3 marks	Short Answer (II) 4 Marks	Long Answer 6 Marks	Marks
1	Remembering	5	1	2	1	22
2	Understanding	5	1	2	1	22
3	Application based	5	1	1	1	18
4	HOT SKILLS (Analyse and Synthesis)	5	1	1	1	18
	TOTAL	20 X1 =20	4X3=12	6X4=24	4X6=24	80 + 20 (PROJECT) = 100 (34)

NOTE- There will be internal choices in questions of 1 mark, 3marks, 4 marks and 6 marks in both sections (A & B). In all, total 8 internal choices.

PROJECT WORK- Each student will prepare one project work using concepts from both part A and part B.

MARKING SCHEME FOR PROJECT WORKS

SL. NO.	HEADING	MARKS ALLOTTED
1	RELEVANCE OF THE TOPICS	3
2	KNOWLEDGE CONTENT/ RESEARCH WORKS	6
3	PRESENTATION TECHNIQUE	3
4	VIVA	8
	TOTAL	20

DELETED TOPICS

ECONOMICS (Code No. 030)

CLASS – XI

Part A: Statistics for Economics

Unit	Topics Deleted
Unit 3: Statistical Tools and Interpretation	Measures of Dispersion - (range, quartile deviation, mean deviation and); (co-efficient of range, co-efficient of quartile-deviation, co-efficient of mean deviation, Correlation –Spearman's rank correlation, Index Numbers - index of industrial production

Part B: Introductory Microeconomics

Unit	Topics Deleted
Unit 4: Introduction	concepts of production possibility frontier and
Unit 6: Producer Behaviour and Supply	Producer's equilibrium-meaning and its conditions in terms of marginal revenue-marginal cost.
Unit 7: Forms of Market and Price Determination under Perfect Competition with simple applications	Other Market Forms - monopoly, monopolistic competition - their meaning and features

LEARNING OUTCOMES
SUBJECT: ECONOMICS

Sl. No.	CLASS	Name of the Text Book	Chapter/ Lesson	Learning Outcomes
1	XI	INTRODUCTORY MICRO ECONOMICS	INTRODUCTION	Understand the basic and the central problems of an economy.
				Understand the ppc and its application
				Understand microeconomics, macroeconomics, positive and normative economics.
2	XI		CONSUMER'S EQUILIBRIUM	Understand the various concept of utility.
				Understand the law of DMU.
				Understand different Ic analysis, order of preference (Rank) and its properties and application.
				Understand the budget line/price line of the consumer.
3	XI		DEMAND	Understand the meaning, kinds and different determinants of demand.
				To learn the law of demand, its reasons, exceptions, etc.
4	XI		ELASTICITY OF DEMAND	To learn about the elasticity of demand, its types, proportionate method and factor affect elasticity of demand.
				To learn about the practicals based on ED.
5	XI		PRODUCTION FUNCTION	Learners are able to understand about the concept of product and production i.e. TP, AP and MP.
6	XI		COST ANALYSIS	Understand about the concept of cost of production.
				Learners can be able to know about the various short run costs curves.
				They also know about the behaviour of cost of production as the level of output is raised.
7	XI		REVENUE	Learners will be able to know about the relationship between the level of sales and revenue and concept of revenue.
				They also learn about the relationship between TR, AR and MR with schedule and diagram.
8	XI		PRODUCER'S EQUILIBRIUM	To know about the concept of producer's equilibrium i.e. its determination.
				Learners will be able to learn the conditions of producer's equilibrium in term of MR and MC approach.
9	XI		SUPPLY	Learners can learn about the meaning of supply and stock.
				They can learn about the determinants of supply, movement & shift of supply curve.
				They can also learn about elasticity of supply & its applications part.

10	XI		MAIN MARKET FORMS	Understand about the concept of 'Market from economic point of view and layman view. They learn different market structures, features and characteristics of different forms of market. They learn the nature of revenue curve of different market i.e perfectly competitive market, monopoly market and monopolistic market.
11	XI		PRICE DETERMINATION WITH	Understand about the concept of price, role of demand and supply in determining equilibrium price.
			SIMPLE APPLICATION	Understand about the concept of Price Ceiling and Price Floor with examples, diagrams and implications.
		STATISTICS FOR ECONOMICS		
1	XI		ECONOMICS: AN	
			INTRODUCTION	Understand the meaning of economics through definitions given by different economists. Understand the usefulness of economic terms like production, consumption, distribution, economic & non-economic activities. Understand about scarcity conditions & how it affects our daily life.
2	XI		MEANING, SCOPE & IMPORTANCE OF STATISTICS	Understand the meaning of statistics & its usefulness. Understand about quantitative and qualitative variable.
			COLLECTION OF DATA	Understand about the various functions, importance of statistics, limitation & distrust of statistics.
3	XI			Understand about statistical enquiry, role of Investigator, Enumerators, Respondents & statistical surveys. Understand about different methods of collecting primary & secondary data. Understand about construction of questionnaire schedule. Understand Pilot survey, census of India, sampling investigation technique & role of NSSO.
4	XI		ORGANISATION OF DATA	Understand about classification, methods, concept of variable, statistical series i.e individual, discrete and continuous. Understand the various types of continuous series. Understand about bi-variate frequency distribution.

5	XI		TABULAR PRESENTATION	Understand the textual presentation & requisites of a good table.
				Understand the various parts of a table & types of table like purpose, nature of data & extent of coverage.
6	XI		DIAGRAMMATIC PRESENTATION	Understand the various trends of the data at a glance & to facilitate the comparison of various forms of diagrams & graphs.
				Understand various types of diagrams & their utility.
				Understand about Pie diagram & its utility in statistics.
7	XI		GRAPHIC PRESENTATION	Understand various trends of data.
				Understand various types of graphs with predictions.
				Understand time series graphs with accuracy.
8	XI		ARITHMETIC MEAN	Understand about a single value, which is used to represent an entire set of data.
				Understand about the requisites of central tendency.
				Understand the various series, missing value, special cases, combined mean, properties of A.M, corrected mean & weighted mean to calculate A.M.
9	XI		MEDIAN & MODE	Understand about the important measures of central tendency.
				Learners can calculate & interpret the mode & the median.
				They understand the relative strength & weakness of the two measures.
10	XI		MEASURES OF DISPERSION	Understand the spread of the data or its variation around a central value.
				They can understand the Range, Q.D, M.D & S.D with series of calculation.
				Understand about the relative as well as relative measures to calculate dispersion.
11	XI		CORRELATION	Understand the concept of two variables & know that they are positively or negatively related.
				Understand the various degrees of correlation
				Understand the concept of Pearson's & Spearman's correlation.
12	XI		INDEX NUMBERS	Understand the origins and basic features of axiomatic, economic & stochastic approaches to price index.
				Learners can apply common elementary index formulae like Laspeyres', Paasche's & Fisher's Ideal Method.
				Understand the symbols like P ₀ , P ₁ , Q ₀ & Q ₁ with base year 100.

Revised

SUB: Geography (029)

**BOOKS PRESCRIBED: I. FUNDAMENTALS OF PHYSICAL GEOGRAPHY(NCERT)
II. INDIA-PHYSICAL ENVIRONMENT(NCERT)
III. PRACTICAL WORK IN GEOGRAPHY(NCERT)**

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE	
			HALF YEARLY	ANNUAL
UNIT TEST-I	July To September	BOOK-INDIA PHYSICAL ENVIRONMENT Ch-1 India-Location Ch-2 Structure and Physiography* Ch-3.Drainage system.	30	30
		Ch-4 Climate* Ch-5 Natural Vegetation Ch-6 Soils Ch-7 Natural Hazards and Disasters*		
		Map-Location and labelling on the outline map of India	5	5
		BOOK-FUNDAMENTALS OF PHYSICAL GEOGRAPHY Ch.- 1. Geography as a discipline . Ch- 2.The Origin and Evolution of the Earth* Ch. 3. Interior of Earth Ch. 4. Distribution of ocean and continents. Ch. 5. Minerals and Rock. Ch-6. Geomorphic Process.	30	30
		Map & Diagrams **Map work on identification of features on World Map/Diagrams		
	Oct	Revision HALF YEARLY EXAMINATION	Total: 70	30
	Nov	Ch-7.Landforms and their Evolution* Ch-8. Composition and structure of Atmosphere. Ch-9. Solar Radiation, Heat balance and Temp. Ch-10.Atmospheric Circulation and Weather Systems* Ch-11. Water in Atmosphere. Ch-12.World Climate and Climate Change*		
UNIT TEST-II	Dec	Ch-13.Water(Oceans)* Ch- 14. Movement of Ocean water. Ch-15 Life on the Earth Ch-16 Biodiversity & Conservation		
		***Identification- outline map of the world		5
	Jan	Revision-PRE-ANNUAL EXAMINATION		
	Feb	ANNUAL EXAMINATION		Total -70

QUESTION PATTERN [HALF YEARLY & ANNUAL EXAMS]

TYPE OF QUESTION(S)	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	18	18
SA	3	04	12
LA	5	06	30
DIAGRAMS & MAP	5	2	10
Total		22	70

* Map work:

CH 1: India location Tropic of Cancer, States and UTs along with their capitals, IST

CH 3: Drainage - The Indus, Ganga, Brahmaputra, Narmada, Tapi, Mahanadi, Godavari, Krishna, Kaveri

CH 5: Natural Vegetation Types of forest, Bio-reserves (Pachmarhi, Simlipal, Manas, Nokrek, Nilgiri, Gulf of Mannar, Amarkantak, Nanda Devi, Agasthyamali)

CH 6: Soils Forest soil, alluvial soil, red and yellow soil, black soil, arid soil, laterite soil

Fundamentals of physical Geography... (Map/Diagram s) studied topic.

SYLLABUS	GEOGRAPHY PRACTICAL-CLASS-XI	MARKS
CHAPTERS	CONTENTS	
1-5	Introduction to maps, Map Scale, Latitude, Longitude and Time Map Projections* Topographical Maps*	10
6-8	Introduction to areal photograph and remote sensing, weather instruments, maps and charts	15
	Record Book & Viva	05
	Total=	30

MM-30	GEOGRAPHY PRACTICAL (CLASS-XI)	TIME-3 HRS
MONTHS	CONTENTS TO BE COMPLETED	
JULY TO SEPTEMBER	1-Fundamentals of maps-types of maps, Construction of Linear Scale, measuring distance, finding direction and use of symbols. 2-Drawing of latitude, longitude & Calculation of time	
NOVEMBER	3- Introduction to areal photograph and remote sensing	
DECEMBER	5-Use of weather instruments-thermometer, hygrometer, barometer, rain gauge, wind -vane and anemometer.	

DELETED PORTIONS, CLASS-XI GEOGRAPHY FOR THE SESSION-2020-21

BOOK- FUNDAMENTALS OF PHYSICAL GEOGRAPHY
Chapter-2 –The Origin and Evolution of the Earth
Chapter-7- Landforms and their Evolution*
Chapter-10- Atmospheric Circulation and Weather Systems*
Chapter-12- World Climate and Climate Change*
Chapter-13- Water(Oceans)*
BOOK-INDIA PHYSICAL ENVIRONMENT
Ch-2 Structure and Physiography*
Ch-4 Climate*
Ch-7 Natural Hazards and Disasters*
PRACTICAL GEOGRAPHY
Chapter-4 .Map Projections
Chapter-5.Topographical Maps

LEARNING OUTCOMES
SUBJECT: GEOGRAPHY

Sl. No	Class	Name of the Text Book	Chapter/ Lesson	Learning Outcomes
1	XI	NCERT-Fundamentals of Physical Geography	Chapter-1 Geography as a Discipline	The learner will be able to :
				<ul style="list-style-type: none"> * Explain nature of Geography *Describe Geography as an interdisciplinary subject *Establish relationship with other subjects *Identify branches of Geography *Appreciate importance of Physical Geography
2	XI		Chapter-2 The Origin and the Evolution of the Earth	The learner will be able to :
				<ul style="list-style-type: none"> *Identify theories related to origin of the earth and the universe *Distinguish between inner and outer planets *Describe evolution of the earth including lithosphere ,atmosphere and hydrosphere. *Relate origin of life on the earth with geological time scale
3	XI		Chapter-3 Interior of the Earth	The learner will be able to :
				<ul style="list-style-type: none"> *Identify direct and indirect sources of information about the earth *identify characteristics of earthquake waves
				<ul style="list-style-type: none"> *explain causes and effects of earthquake and preparedness during earthquake *interpret diagram showing structure of the earth and earthquake waves *describe types of volcanoes and volcanic landforms
4	XI		Chapter-4 Distribution of Oceans and Continents	The learner will be able to :
				<ul style="list-style-type: none"> *Explain drifting of continents *describe evidences in support of drifting of continental theory *explain the mechanism of drifting *give idea spread of ocean floor *explain the theory of plate tectonics

5	XI		Chapter-5 Minerals and Rocks	The learner will be able to :
				*identify minerals and rocks and their characteristics *distinguish between metallic and non-metallic minerals *explain type of rocks with their formations
6	XI		Chapter-6 Geomorphic Processes	The learner will be able to :
				* differentiate between endogenic and exogenic forces *identify agents of gradation *describe different types of weathering-significance *explain slow and rapid movement of earth materials *identify soil profiles formation of soils and its factors
7	XI		Chapter-7 Landforms and their Evolution	The learner will be able to :
				*Explain various landforms with their formation *Describe the works of various natural agents *Explain the functions of natural agents like rivers,glaciers,winds, sea waves and underground water
8	XI		Chapter-8 Composition and Structure of Atmosphere	The learner will be able to :
				*Explains constituents of atmosphere-gases present in the atmosphere *Describes different layers of atmosphere *interprets diagram showing the layers of atmosphere.
9	XI		Chapter-9 Solar Radiation, Heat Balance and Temperatre	The learner will be able to :
				*explains insolation and terrestrial radiation *describes variation of temperatre in different parts of earth
				*tells the mechanism of heating and cooling of atmosphere
				*describes the heat budget- balance between insolation and terrestrial radiation
				*explains the factors controlling the temperatre on the earth

10	XI		Chapter-10 Atmospheric Circulation and Weather Systems	The learner will be able to :
				*describe atmospheric pressure *explain the vertical and horizontal distribution of pressure
				*understand about the forces affecting velocity and direction of winds
				*interpret diagram showing permanent pressure belts and wind systems of the world
				*explain warm and cold air masses
				*describe the causes and effects of tropical and temperate cyclone
11	XI		Chapter-11 Water in the Atmosphere	The learner will be able to: *explain absolute and Relative Humidity * Understand about the processes involve in circulation of moisture in the atmosphere. *explain different forms of condensation *describe cloud formation and types of rainfall
12	XI		Chapter-12 World Climate and Climate Change	The learner will be able to : *explain Koppen's scheme of classification of climate *understand the causes of climate change *understand the causes and effects of global warming
13	XI		Chapter-13 Water(Oceans)	The learner will be able to : *explain hydrological cycle and the processes involve in it *describe the relief of an ocean floor with divisions *tells about temperature distribution and factors that affect it in the ocean *explain salinity of ocean water and its distribution
14	XI		Chapter-14 Movements of Ocean Water	The learner will be able to : *explain different types of movement of ocean water * Know the causes and types of waves,tides and ocean currents * Know the effects of tides and ocean currents

15	XI		Chapter-15 Life on the Earth	The learner will be able to : *explain different types of ecosystems * Understand the structure and functions of ecosystems *describe the measures to maintain ecological balance
16	XI		Chapter-16 Biodiversity and Conservation	The learner will be able to : *explain the importance of biodiversity *role of biodiversity in our life *different species of plants and animals and their conservation
17	XI	NCERT- India- Physical Environment	Chapter-1 India-Location	The learner will be able to : *locate places, states, union territories on the map of India *describe important terms in Geography such as standard meridian, tropic of cancer, subcontinent, passes, sea ports etc. *appreciate political diversity *compare and contrast different states/UTs of India *explain interrelationship between sea route and sea ports in India for trade and communication since historical times *differentiate between local time and standard time
18	XI		Chapter-2 Structure and Physiography	*appreciate physical diversity of India
				The learner will be able to : *compare and contrast the physical features of India *understands the formation of different physiological divisions of India * know location of important places in different physical division
19	XI		Chapter-3 Drainage System	The learner will be able to : *explain the origin and flow of important rivers of India *Understand about the drainage patterns *distinguish between watershed and drainage basin *compare and contrast between the Himalayan rivers and Peninsular rivers *explain the advantages of interlinking of rivers

20	XI		Chapter-4 Climate	<p>The learner will be able to :</p> <ul style="list-style-type: none"> *explain unity and diversity of monsoon climate *describe the factors affecting the climate of India * know mechanism of monsoon in India *describe the branches of monsoon * understand the characteristic of monsoon *explain economic significance of monsoon *identify rainfall and climatic regions of India
21	XI		Chapter-5 Natural Vegetation	<p>The learner will be able to :</p> <ul style="list-style-type: none"> *describe the types of forests in different parts of India *distinguish between forest area and forest cover *appreciate importance of forest and wildlife and its conservation
22	XI		Chapter-6 Soils	<p>The learner will be able to :</p> <ul style="list-style-type: none"> *identify different types of soils and their characteristics *describe soil erosion and steps for its conservation
23	XI		Chapter-7 Natural Hazards and Disasters	<p>The learner will be able to :</p> <ul style="list-style-type: none"> *identify different hazards and disasters and the areas *distinguish between hazards and disasters *know preparedness during disasters *explain what to do before,during and after the disasters

SUB: Mathematics (041)

- BOOKS PRESCRIBED: 1. MATHEMATICS A TEXT BOOK FOR CLASS XI (NCERT)
 2. MATHEMATICS (EXEMPLAR PROBLEMS) (NCERT)
 3. Laboratory manual published by NCERT

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE	
			HALF YEARLY	ANNUAL
	JUNE & JULY	Ch- 1 : Set s	15	23
		Ch - 2 : Relations& Functions	11	
		Ch - 3 : Trigonometric Functions	15	
U.T - I	AUGUST	Ch - 4: Principle of Mathematical induction		30
		Ch - 5 : Complex numbers and Quadratic Equations	14	
		Ch - 6 :Linear Inequalities	13	
	SEPTEMBER	Ch - 7: Permutations and Combinations	12	
		Ch - 8 : Binomial Theorem		
	OCTOBER	REVISION FOR HALF YEARLY EXAMINATION	TOTAL: 80	
	NOVEMBER	Ch - 9 : Sequence and Series		10
		Ch - 10 : Straight lines		
		Ch - 11 : Conic sections		
		Ch - 12 : Introduction to 3-D Geometry		
U.T - II	DECEMBER	Ch - 13 : Limits and Derivatives		5
		Ch - 14 : Mathematical Reasoning		2
		Ch - 15 :Statistics		10
		Ch - 16 : Probability		
PRE-ANNUAL	JANUARY	REVISION FOR Pre-ANNUAL EXAMINATION		
	FEBRUARY	REVISION FOR ANNUAL EXAMINATION		
			Total:	80

QUESTION PAPER PATTERN

TYPE OF QUESTIONS	MARK(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
MCQ,VSA	1	20	20
SA	2	6	12
LA-I	4	6	24
LA-II	6	4	24
	Total:	36	80

DELETED TOPICS

UNIT/ CHAPTER	SYLLABUS REDUCED
Unit- I: Sets and Functions	
1.Sets	<input type="checkbox"/> Difference of sets. <input type="checkbox"/> Complement of a set. Properties of Complement
2.Relations & Functions	<input type="checkbox"/> (up to $R \times R \times R$). <input type="checkbox"/> Sum, Difference, product and quotients of functions
3. Trigonometric Functions	<input type="checkbox"/> General Solutions of trigonometric equations of the type $\sin y = \sin a$, $\cos y = \cos a$ and $\tan y = \tan a$.
Unit II: Algebra	
1.Principle of Mathematical Induction.	<input type="checkbox"/> Delete full chapter
2.Complex Numbers and Quadratic Equations	<input type="checkbox"/> Polar representation of complex numbers. <input type="checkbox"/> Square root of a complex number.
3.Linear Inequalities	Nil
4. Permutations and Combinations	<input type="checkbox"/> Derivation of formulae for ${}^n P_r$ and ${}^n C_r$.
5.Binomial theorem	<input type="checkbox"/> Delete full Chapter
6. Sequence and Series	<input type="checkbox"/> Formulae for the following special sums: $\sum k, \sum k^2, \sum k^3$.
Unit III: Coordinate geometry	
1.Straight Lines	<input type="checkbox"/> Shifting of origin. <input type="checkbox"/> Equation of family of lines passing through the point of intersection of two lines.
2 Conic sections	<input type="checkbox"/> a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section.
3.Introduction to Three-dimensional Geometry	Nil
Unit-IV : Calculus	
1.Limits and Derivatives	Nil
Unit-V : Mathematical Reasoning	
1.Mathematical Reasoning	<input type="checkbox"/> Delete full chapter
Unit-VI: Statistics and Probability	

BLUE PRINT OF QUESTION PAPER HALF YEARLY EXAMINATION-2020-21

Sl. No.	Topic	1 Mark	2 Marks	4 Marks	6 Marks	TOTAL
1	Sets	3	-	-	2	15
2	Relations & Functions	3	2	1	-	11
3	Trigonometric Functions	3	2	2	-	15
4	Principle of Mathematical induction	-	-	-	-	-
5	Complex numbers and Quadratic equations	4	-	1	1	14
6	Linear Inequalities	3	-	1	1	13
7	Permutations and Combinations	4	2	1	-	12
8	Binomial Theorem		-	-	-	
Total:		1x20=20	2x6=12	4x6=24	6x4=24	80

There will be no overall choice in the question paper. However, 33 internal choices will be provided. **Blue Print of Question Papers for Pre- Annual & Annual Examination will be as per DAV CAE guidelines.**

WEIGHTAGE TO LEARNING OBJECTIVES

S.NO	TYOLOGY OF QUESTION	VSA (1MARK)	SA (2MARK)	LA-I (4MARKS)	LA-II (6MARKS)	MARKS	WEIGHTAGE
1.	Remembering	4	1	1	1	16	20%
2.	Understanding	6	2	3	1	28	35%
3.	Application	6	2	1	1	20	25%
4	Analysing, creating and evaluating	4	1	1	1	16	20%
	Total :	1x20=20	2x6=12	4x6=24	6x4=24	80	100%

INTERNAL ASSESSMENT: 20 Marks

Throughout the session, any ten Activities shall be performed by the students from the activities given in the NCERT Laboratory Manual (XI).

WEIGHTAGE:

1. Performance of the students in the activities done throughout the session and Record keeping-5 marks.
2. Assessment of the activities performed during session ending test-3 marks
3. Viva voce-2 marks.
4. Pen paper test-10 marks(average of best two of the three)

LEARNING OUTCOMES
SUBJECT: MATHEMATICS

SL.NO	CLASS	NAME OF THE TEXT BOOK	CHAPTER/ LESSON	LEARNING OUTCOMES
1	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-1 – SETS	<p>The learners</p> <ul style="list-style-type: none"> *Identify/ Classify different types of sets. *Analyse the conditions involved in finding composite functions and inverse of a function. *Apply the strategies required to check equivalence relation and to find the composition of two functions and inverse of a function.
2	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-2 – RELATIONS AND FUNCTIONS	<p>The learners</p> <ul style="list-style-type: none"> *Demonstrate the meaning and properties ordered pairs and cartesian product of sets, basic concepts of relations and functions *Find the domain co-domain and range of a relation and a function. *Identify different types of real functions. *Draw the graph of a real function and study the properties of different real functions. *Make a project on graphs of functions using Geogebra.
3	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-3 – TRIGONOMETRIC FUNCTIONS	<p>The learners</p> <ul style="list-style-type: none"> *Convert the measure of an angle to different units *Demonstrate the domain and range of different trigonometric functions. *Draw the graph of different trigonometric functions. *Establish the formulae related to trigonometric functions of the sum, difference, multiple and submultiple angles and also sine and cosine formulae. *Solve trigonometric equations. *Apply the established formulae to solve problems on trigonometry and real-life problems.
4	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-4 – PRINCIPLE OF MATHEMATICAL INDUCTION	<p>The learners</p> <ul style="list-style-type: none"> *Apply principles of mathematical induction to solve related problems.

5	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-5 – COMPLEX NUMBER	<p>The learners</p> <ul style="list-style-type: none"> *Demonstrate the properties of i. *Write a complex number in the standard form. *Compute addition, subtraction and multiplication of complex numbers. *Demonstrate properties of complex algebra. *Draw argand diagrams. *Represent a complex number in polar form. *Find the square root of a complex number. *Solve quadratic equations with complex roots.
6	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-6 – LINEAR INEQUALITY	<p>The learners</p> <ul style="list-style-type: none"> * Solve linear inequalities of one variable and interpret the solution graphically. *Solve linear inequalities of two variables graphically *Apply the methods of solution of linear inequalities to solve real life problems.
7	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-7 – PERMUTATIONS AND COMBINATIONS	<p>The learners</p> <ul style="list-style-type: none"> *Demonstrate the basic concepts of factorial notation, fundamental principle of counting, permutations and combinations. *Analyse the problems and identify the techniques to be applied to solve a problem. *Apply the concepts of permutations and combinations to solve real life problems.
8	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-8 – BINOMIAL THEOREM	<p>The learners</p> <ul style="list-style-type: none"> * Find binomial coefficients from pascal's triangle *Apply binomial theorem for expansions. *Find general term and middle terms of a binomial expansion. *Solve problems on binomial theorem
9	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-9 – SEQUENCE AND SERIES	<p>The learners</p> <ul style="list-style-type: none"> *Demonstrate the concepts of A.P and G.P and their properties. *Solve different questions based on A.P and G.P and special sequences. *Apply concepts of A.P and G.P to solve real life problems.
10	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-10 – STRAIGHT LINES	<p>The learners</p> <ul style="list-style-type: none"> *Find slope of a line, equation of a line in different forms, distance between two lines *Apply the concept of slope to find angle between two lines and check whether two lines are parallel or perpendicular. *Solve different questions based on the concept of family of lines. *Visualise the position of a line in geogebra for different values of a, b and c

11	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-11 – CONIC SECTIONS	<p>The learners</p> <ul style="list-style-type: none"> *Demonstrate the design of conic sections and their properties. *Derive equation of conic sections in different conditions. *Apply the concept of conic sections in solving real life situations
12	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-12 – INTRODUCTION TO 3D GEOMETRY	<p>The learners</p> <ul style="list-style-type: none"> * Demonstrate three-dimensional coordinate system. *Derive distance and division formula in 3D. *Apply the formulae to solve problems.
13	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-13 – LIMITS AND DERIVATIVES	<p>The learners</p> <ul style="list-style-type: none"> * Find limits of a function. *Demonstrate differentiation from first principle and geometrical meaning of differentiation *Solve problems on limits and derivatives
14	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-14 – MATHEMATICAL REASONING	<p>The learners</p> <ul style="list-style-type: none"> *Analyse logically the mathematical problems. *Interpret logical statements. *Apply concepts of logic in checking validity of a statement and to decide methods to be applied to solve a problem.
15	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-15 – STATISTICS	<p>The learners</p> <ul style="list-style-type: none"> *Calculate mean deviations, variance and standard deviation of data.
15	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-15 – STATISTICS	<p>The learners</p> <ul style="list-style-type: none"> *Calculate mean deviations, variance and standard deviation of data. *Analyse frequency distributions by using coefficient of variation.
16	XI	MATHEMATICS TEXT BOOK FOR CLASS- XI	CH-16– PROBABILITY	<p>The learners</p> <ul style="list-style-type: none"> *Describe sample space of an experiment, and different types of events. *Determine probability of an event. *Apply the idea of permutations and combinations in probability.

CLASS - XI, SUB: Physical Education(048)

BOOKS PRESCRIBED: 1. Health and Physical Education, Class - XI, Saraswati Publication

REFERENCE BOOKS: 1. Introduction to Physical and Health Education, Class - XI, Avinchal Publication

2. A text Book of physical Education, Class-XI, Candid Publication

3. Health and Physical Education , Class- XI, Goyal Publication

	Month	Chapter/Topic to be Taught	Chapter wise Weightage	
			Half Yearly	Annual
	JUNE	UNIT- 1: Changing trends & Career in Physical Education	15	06
	JULY	UNIT- 2: Olympic Value Education UNIT- 3: Physical fitness, Wellness & Lifestyle	12 13	06 06
Unit Test - I	AUGUST	UNIT- 4: Physical Education & sports for CWSN (Children with special Needs- Divyang)	10	09
		UNIT- 5: Yoga	11	05
	SEPTEMBER	UNIT- 6: Physical Activity & Leadership Training REVISION FOR HALF YEARLY EXAMINATION	09	05
	OCTOBER	HALF YEARLY EXAMINATION	Total :70	
	NOVEMBER	UNIT -7: Test, Measurement & Evaluation		06
		UNIT-8 : Fundamentals of Anatomy & Physiology & Kinesiology in sports		
Unit Test - II	DECEMBER	UNIT-8 : Fundamentals of Anatomy & Physiology & Kinesiology in sports		09
		UNIT -9: Psychology & Sports		09
	JANUARY	UNIT-10: Training & Doping in sports REVISION & PRE ANNUAL		09
	FEBRUARY	REVISION & ANNUAL EXAMINATION	Total :	70

QUESTION PATTERN

TYPE OF QUESTION (S)	MARK (S) PER QUESTION	TOTAL NO. OF QUESTION	TOTAL MARKS
VSA	01	20	20
SA-I	03	10	30
LA	05	04	20
	Total:	34	70

Weightage to Learning Objectives

Objectives	REMEMBERING	UNDERSTANDING	APPLICATION	CREATIVITY	HOTS	TOTAL
% of Marks	27.1	11.5	30	4.3	27.1	100
Marks	19	8	21	3	19	70

BLUE PRINT OF QUESTION PAPERS FOR HALF YEARLY EXAMINATION.

UNIT	CHAPTER	1 MARK	3 MARKS	5 MARKS	TOTAL MARKS
1	Changing Trends & Career in Physical Education	2	1	2	15
2	Olympic Value Education	1	2	1	12
3	Physical Fitness, Wellness & Lifestyle	2	2	1	13
4	Physical Education & Sports for CWSN (Children with special Needs - Divyang)	4	2	-	10
5	Yoga	5	2	-	11
6	Physical Activity & Leadership Training	6	1	-	9
	TOTAL	20	10	04	70

PHYSICAL EDUCATION (PRACTICAL)

Max.Marks :-30 60 periods Time 3hrs.

SL NO	PRACTICALS TO BE CONDUCTED	MARK
1	Physical Fitness Test	6
2	Proficiency in Games and sports (Skill of any one individual Game of choice from the given list *)	7
3	Yogic Practices	7
4	Record File **	5
5	Viva Voce (Health/ Games and Sports/ Yoga)	5
	Total	30

*Athletics, Archery, Badminton, Boxing, Chess, Gymnastics, Judo, Shooting, Rope-Skipping, Skating, Yoga, Swimming, Taekwondo, Tennis, Aerobics, and Bocce and Unified Basket Ball (CWSN-Children With Special Needs/Divyang)

Record File shall Include :

Practical -1: Labelled diagram of 400mtr. Track & Field with Computations.

Practical -2: Computation of BMI from family or neighborhood & graphical representation of the data.

Practical -3: Labelled diagram of field and equipment of any one game of your choice out of the above list.

Practical -4: List of current National Awardees (Dronacharya Award, Arjun Award & Rajiv Gandhi Khel Ratna Award)

Practical -5: Pictorial Presentation of any five asanas for improving concentration.

LEARNING OUTCOMES
SUBJECT: PHYSICAL EDUCATION

Topic	Learning Outcomes
CH -1 CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION	The Learners able ...
	➤ The students able to understand the meaning and definition of Physical Education.
	➤ To know about aims and objectives of Physical Education.
	➤ To know about career options in Physical Education.
	➤ To know about competitions in various sports of National and International Level.
Ch- 2 OLYMPIC VALUE EDUCATION	The Learners able ...
	➤ To know about the Olympics, Paralympics and Special Olympics.
	➤ To know about the Olympic Symbols, Ideals, Objectives and values of Olympism.
	➤ To know about the International Olympic Committee.
	➤ To know about the Indian Olympic Association.
CH- 3 – PHYSICAL FITNESS, WELLNESS AND LIFESTYLE	The Learners able ...
	➤ To understand the meaning and importance of Physical Fitness, Wellness and Lifestyle.
	➤ To know about Components of Physical Fitness and Wellness.
Ch-4- PHYSICAL EDUCATION AND SPORTS FOR CWSN	The Learners able ...
	➤ To know about aims and objectives of Adaptive Physical Education.
	➤ To know about organisations promoting adaptive sports.
	➤ To understand the concept of inclusion, its need and implementation.
CH-5 YOGA AND LIFESTYLE	The Learners able ...
	➤ To understand the meaning and importance of Yoga.
	➤ To know about the elements of Yoga.
	➤ To know about the Asanas,Pranayama, Meditation and Yogic Kriyas.
	➤ To know about the concentration and Its related Asanas.
CH-6 PHYSICAL ACTIVITY AND LEADERSHIP TRAINING.	The Learners able ...
	➤ To know about the leadership qualities and the role of a leader.
	➤ To know about the creating leaders through Physical Education.
	➤ To understand the meaning, objectives and types of Adventure Sports
	➤ To know about safety measures to prevent sports injuries.

CH- 7 TEST, MEASUREMENT AND EVALUTION	The Learners able ...
	➤ To know about Test, Measurement and Evaluation.
	➤ To know about Importance of Test, Measurement and Evaluation in Sports.
	➤ To understand the calculation of BMI and Waist- Hip Ratio.
	➤ To understand the Somato types.
CH- 8 FUNDAMENTALS OF ANATOMY, PHYSIOLOGY AND KINESIOLOGY IN SPORTS	The Learners able ...
	➤ To understand the importance of Anatomy, Physiology and Kinesiology.
	➤ To understand the functions of the skeleton system, Classification of bones and types of joints.
	➤ To know about the properties and functions of muscles.
	➤ To know about the functions and structures of the respiratory system and the circulatory system.
	➤ To know about the equilibrium – dynamic and static and centre of gravity and its application in sports.
CH – 9 PSYCHOLOGY AND SPORTS	The Learners able ...
	➤ To understand the importance of Psychology in Physical Education and Sports.
	➤ To understand growth and development and their differences.
	➤ To know about developmental characteristics at different stages of development.
CH – 10 TRAINING AND DOPING IN SPORTS	The Learners able ...
	➤ To understand the meaning and concept and know about principles of sports training.
	➤ To know about warming-up and limbering down
	➤ To know about skill, technique and style.
	➤ To understand concept and classification of doping and understand prohibited substances and their side effects.
	➤ To know about dealing with alcohol and substance abuse.

SUB: Physics (042)

TEXT BOOK PRESCRIBED: Text book for Class XI, PHY (Part I & II), NCERT

TEST/EXAM	MONTH	CHAPTERS TO BE TAUGHT	H.Y WEIGHTAGE	PRE ANNUAL/ ANNUAL WEIGHTAGE
	JUNE	1: Physical World	5	23
		2: Units and Measurements		
		3: Motion in a Straight Line		
	JULY	3: Motion in a Straight Line	17	
		4: Motion in a Plane		
		5: Laws of Motion		
	AUGUST	6: Work, Energy and Power	12	17
		7: System of Particles and Rotational Motion	13	
UNIT TEST I	SEPTEMBER	8: Gravitation	4	
HALF YEARLY	OCTOBER	9: Mechanical Properties of Solids	2	
	NOVEMBER	REVISION & HALF YEARLY EXAMINATION.		20
		10: Mechanical Properties of Fluids		
		11: Thermal Properties of Matter		
	12: Thermodynamics			
UNIT TEST II	DECEMBER	13: Kinetic Theory		
		14: Oscillations		10
	JANUARY	15: Waves		
PREANNUAL	JANUARY	REVISION & PRE-ANNUAL		
ANNUAL	FEBRUARY	REVISION & ANNUAL EXAMINATION.		
TOTAL			70	70

QUESTION PATTERN

TYPE OF QUESTIONS	MARK(S) PER QUESTION	TOTAL NO OF QUESTIONS	TOTAL MARKS
VSA	01	20	20
SA-I	02	07	14
SA-II	03	07	21
LA	05	03	15
	Total:	37	70

PRACTICAL SYLLABUS

The record to be submitted by the students at the time of annual examination has to include.

Record of at least 8 experiment (4 from each section) to be performed by student.

Record of at least 6 activities (3 from each section) to be demonstrated to the student.

The report of project to be carried out by student.

Evaluation Scheme

Time allowed : 3 hours

M.M=30

Two experiments(One from each section)	:	8 + 8 marks
Practical Record(Experiments & Activities)	:	7 marks
Viva on Experiments and Project	:	7 marks

Total		= 30 marks
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PRACTICAL SYLLABUS

SECTION - A (4 Experiments to be performed)

Sl.No.	Expt.No.	Month	Details of the experiments to be performed
1	1	June	To measure diameter of a small spherical cylindrical body using Vernier callipers.
2	2	July	To measure diameter of a given wire and thickness of a given sheet using screw gauge.
3	3	July	To determine radius of curvature of a given spherical surface by Spherometer.
4	4	Aug.	To determine the mass of two different objects using a beam balance.
5	5	Aug.	To find the weight of a given body using Parallelogram law of vectors.
6	6	Sep.	Using a simple pendulum, plot L-T and L-T ² graphs. Hence find the effective length of second's pendulum using appropriate graph.
7	7	Sep.	To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.
8	8	Sep.	To find the downward force, along an inclined plane, acting on a roller due to Gravitational pull of the earth and study, its relationship with the angle of inclination () by plotting graph between force and sin .
9.	9		To determine volume of an irregular lamina using Screw gauge.
10.	10		To study variation of time period of a simple pendulum by changing its length and taking bobs of different masses independently and interpret the result.

ACTIVITIES (ONLY 3 TO BE DEMONSTRATION)

1. To make a paper scale of given least account, e.g. 0.2cm, 0.5cm.
2. To determine mass of a given body using a metre scale by principle of moments.
3. To plot a graph for a given set of data with proper choice of scales and error bars.
4. To measure the force of limiting friction for rolling of a roller on a horizontal plane.
5. To study the given variation in range of a projectile with angle of projection.
6. To study the conversation of energy of a ball rolling down on a inclined plane (using a double inclined plane).
7. To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.

SECTION – B
(4 Experiments to be performed)

Sl.No.	Expt No.	Month	Details of the experiments to be performed
1	1	Oct	To determine Young's modulus of elasticity of the material of a given wire.
2	2	Oct	To find the force constant of a helical spring by plotting a graph between load and extension.
3	3	Nov	To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.
4	4	Nov	To determine the surface tension of water by capillary rise method.
5	5	Nov	To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.
6	6	Dec	To study the relationship between the temp. of a hot body and time by plotting a cooling curve.
7	7 8	Dec	To study the relation between frequency and length of a given wire under constant tension using Sonometer. OR To study the relation between the length of a given wire and tension for constant frequency using Sonometer.
8	9		To determine specific heat capacity of a given (i) solid, (ii) liquid by method of mixture.
9	10		To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

ACTIVITIES (ANY 3 ONLY)

1. To observe change of state and plot a cooling curve for molten wax.
2. To observe and explain the effect of heating and interpret the observations on a bi-metallic strip.
3. To note the change in level of liquid in a container on heating and interpret the observations.
4. To study the effect of detergent on surface tension of water by observing capillary rise.
5. To study the factors affected the rate of loss of heat of a liquid.
6. To study the effect of load on depression of a suitably clamped meter scale loaded at (i) its end (ii) in the middle.
7. To observe the decrease in pressure with increase in velocity of a fluid.

DELETED TOPICS

<p>Chapter-1: Physical World</p> <p>Physics-scope and excitement; nature of physical laws; Physics, technology and society (To be discussed as a part of Introduction and integrated with other topics)</p>
<p>Chapter-3 : Motion in a straight line</p> <p>Frame of reference, Motion in a straight line: Position-time graph, speed and velocity</p>
<p>Chapter-5 Laws of Motion</p> <p>Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion</p>
<p>Chapter-7 System of Particles and Rotational Motion</p> <p>Statement of parallel and perpendicular axes theorems and their applications.</p>
<p>Chapter-8 Gravitation</p> <p>Kepler's laws of planetary motion, Acceleration due to gravity</p>
<p>Chapter-9 Mechanical Properties of Solids</p> <p>Elastic behaviour, shear modulus of rigidity, Poisson's ratio; elastic energy.</p>
<p>Chapter-11 Thermal properties matter</p> <p>Heat, temperature, Heat transfer-conduction, convection and radiation</p>
<p>Chapter-12 Thermodynamics</p> <p>Heat engine and refrigerator.</p>
<p>Chapter-15 Waves</p> <p>fundamental mode and harmonics, Doppler effect.</p>
<p>Practicals: No investigatory project and Activity to be demonstrated</p> <p>8 experiments (clubbed based on skills) in place of 12</p>

BLUE PRINT OF QUESTION PAPERS

HALF YEARLY EXAM -2020-21						
CLASS-XI		SUBJECT:-PHYSICS		TIME : 3:00 Hrs		Maximum Marks-70
SL.NO	NAME OF THE TOPIC	VSA (1)	SA - II (2)	SA - I (3)	LA (5)	TOTAL
1	Physical World					1
2	Units and Measurements	2+1=3	1			4
3	Motion in a Straight Line	4	1	1		9
4	Motion in a Plane	3	1	1		8
5	Laws of Motion	4	1	2	1	17
6	Work, Energy and Power	2	1	1	1	12
7	System of Particles and Rotational Motion	3	1	1	1	13
8	Gravitation	1		1		4
9	Mechanical Properties of Solids		1			2
TOTAL -		1x20=20	2x7=14	3x7=21	5x3=15	70(37)

N.B-

1. The VSA type of questions must include 10 questions of MCQ, 5 questions of fill ups & 5 questions of very short answer type.
2. *Internal choices will be provided in two questions of one mark each, two questions of two marks, one question of three marks and three questions of five marks weightage.*

N.B : Question for Pre-Annual / Annual Examination will be as per DAV CAE Guidelines.

LEARNING OUTCOMES
SUBJECT: PHYSICS

Sl.No	Class	Name of the Text Book	Chapter/ Lesson	Learning Outcomes
1	XI	NCERT	Ch 1 : Physical World	The learner 1. Explain the fact that theory and experiment can go hand in hand in physics. 2.Explains domain interested in physics and physical world. 3.explains the scientific methods for developing the hypothesis, axioms, models and laws.
			Ch2 :Units and Measurements	1.derives methods of measurement of lengths – large as well as small; measurement of mass; and measurement of time. 2.explains the need of accuracy, precision, errors and uncertainties in measurement; and classify errors 3.applies understanding of dimensional analysis in checking the dimensional consistency of relations .
			Chapter–3: Motion in a Straight Line	1.analyses and interprets data, graphs, and figures, and draws conclusion about the state of motion, speed . 2derives (graphically) kinematic equations for uniformly accelerated motion 3explains elementary calculus (both differential and integral) that is required to describe motion..
			Chapter–4: Motion in a Plane	1.apply the concept of vector in solving activities like relative velocities between two bodies ,effective force etc. 2. explain the motion of body in two and three dimensional motion like projectile, circular . 3.derive and find the equation of motion of projectile and circular motion. 4.interpre equation of projectile and apply for sports of throwing event.
			Chapter–5: Laws of Motion	1.interpret ,analyse and define the force and its effects. 2 explain cause ,necessity of friction and its importance in day today life also develop the method to reduce friction . 3. analyse the mechanical problems in day today life and simplify it for better use. 4 . explain inertia and can analyse how we overcome it by applying force
			Chapter–6: Work, Energy and Power	1.define work and can derive relation between work and energy. 2.find the power required for any mechanical work and able calculate (roughly)the power generation of windmill or hydropower station. 3. derive the after velocity of two bodies in collision both elastic and inelastic. 4. find the efficiency of a machine from the data of energy supplied and useful work done

			Chapter–7: System of Particles and Rotational Motion	<ol style="list-style-type: none"> 1. locate the centre of mass of different bodies and can find its position. 2. explain the concept of rotational motion and find torque and angular momentum. 3. analyse and interpret the moment of inertia of different bodies about different axis . 4. explain that how rolling motion is combination of translator and rotational motion.
			Chapter–8: Gravitation	<ol style="list-style-type: none"> 1. derive the Newton’s law of gravitation. 2. determine the acceleration due to gravity at different location of earth and other heavenly bodies. 3. mathematically can show why Earth has atmosphere about moon does not. 4. find the range of velocity for bodies to revolve around a planet and minimum velocity required to escape from it. 5. derive the height required for Geostationary satellite and time period of other satellite.
			Chapter–9: Mechanical Properties of Solids	<ol style="list-style-type: none"> 1. distinguish of material on the basis of rigidness and explain why steel is used widely in Crains 2. find the diameter of steel wire required for Crains of specific capacity or bridge . 3. determine the maximum possible height of mountain on earth. 4. Explain why pillars are I in shape.
			Chapter–10: Mechanical Properties of Fluids	<ol style="list-style-type: none"> 1. determine the pressure of fluid at different depth and minimum force required to lift a heavier object by using Hydraulic lift. 2. explain the fluid friction and why the shape of bullet train and fish is stream lined. 3. find the area of wing a aeroplane required to fly. 4. explain the swinging of football , cricket ball. Mechanism of spray 5. predict the shape of water droplet and its cause.
			Chapter–11: Thermal Properties of Matter	<ol style="list-style-type: none"> 1. find the relation between different unit of temperature and define absolute temperature. 2. explain why long structure like bridge must have gap between two section. 3. explain the anomalous behaviour of water . 4. analysis why people prefer black dress in winter and white dress in summer
			Chapter–12: Thermodynamics	<ol style="list-style-type: none"> 1. analyse the process when heat energy can be convert in to work 2. Explain how a heat engine like 4 stroke engine and refrigerator works. 3. Find the condition in which efficiency of an engine can be increased. 4. derive the work done during adiabatic and isothermal process.
			Chapter–13: Kinetic Theory	<ol style="list-style-type: none"> 1. find the value of gas constant R and its variation with temperature. 2. derive the pressure exerted by a gas and kinetic energy of the molecule at particular temperature. 3. find total kinetic energy of a gas in a container.
			Chapter–14: Oscillations	<ol style="list-style-type: none"> 1. analyse whether a body will oscillate or not and its condition of oscillation. 2. equation of oscillation can apply in different situation to obtain position, velocity and energy of the particle. 3. differentiate between free and damped oscillation. 4. explain why some buildings are broken in Earthquake and suggest some measure to prevent it.
			Chapter–15: Waves	<ol style="list-style-type: none"> 1. derive the equation progressive wave and standing wave. 2. will be able to predict the factors which determine speed of wave in a medium. 3. explain why a musical instruments like guitar has so many strings with different thickness. 4. explain the principle of Doppler’s radar.

SPLIT-UP SYLLABUS 2020-21
CLASS-XI, SUBJECT-HISTORY(027)
BOOK PRESCRIBED:-THEMES IN WORLD HISTORY (NCERT)

	MONTH	CHAPTERS/TOPICS TO BE TAUGHT	CHAPTER WISE WEIGHTAGE		
			HALF YEARLY	ANNUAL	
UNIT TEST-I	JUNE	Introduction of world History	}	}	
	JULY	Ch-1 From the beginning of time Ch-2 Write and city Ch-3 An empire across three continent			
	AUGUST	Ch-4 The central Islamic lands Ch-5 Nomadic empire			
	SEPTMBER	Ch-6 The three orders Ch-7 Changing cultural traditions	36 Map -05	24	
UNIT 2	OCTOBER	Revision for HALF YEARLY EXAMINATION	Total:80 Project:20 G.Total:100	10	
	NOVEMBER	Ch-8 Confrontation of cultures Ch-9 The Industrial Revolution[Introd]			
	DECEMBER	Ch-9 The Industrial Revolution Ch-10 Displacing Indegenous people		20	
	JANUARY	Ch-11 Path of Modernisation (History of Japan & China) Map Work[Unit 1 to 11]		10 05	
		Revision for Pre-Annual Examination		Total:80 Project:20 G.Total:100	
	FEBRUARY	Revision for ANNUAL EXAMINATION			
QUESTION PATTERN FOR HYE & ANNUAL EXAM			OTQ	1x20	20
			SA	3x4	12
			LA	8x3	24
			EXTRACT	6x3	18
			MAP	06	06
			TOTAL		80

DELETED PORTION

S.N	TOPICS	THEMES	DELETED PORTION
1	Early Societies	Theme-1	Complete chapter
2	Nomadic empires	Theme-5	Complete chapter
3	Confrontation of cultures	Theme-8	Complete chapter
	No change in the Map work		

LEARNING OUTCOMES SUBJECT-HISTORY(027)

SL.NO	CLASS	NAME OF THE TEXT BOOK	CHAPTER	LEARNING OUTCOMES
1	XI	NCERT	An empire across the three continents	1.Familiarize the learner with the history of a major world.2. Learners will know slavery was a significant element in the economy.3. To know about the political evolution
2			The central Islamic land	1.The learners know about the rise of Islamic empire.2. Its implications for economy and society.3. Understand what the Crusades meant
3			Three orders	1.Learners familiarise the nature of the economy and society of this period.2. Decline of the feudalism.3.To know about the formation of the states
4			Changing cultural traditions	1.Explore the intellectual trends in the period.2. Students will know about the painting and buildings.3. Idea about Renaissance.
5			The Industrial Revolution	1.Understand the nature of growth in the period.2. Initiate students to the debate on the idea of industrial revolution.3. Innovation and technological change
6			Displacing Indigenous people	1.Learners will know development of America and Australia.2. Understand the implications of such processes for the displaced population.3. European settlement on indigenous population.
7			Paths of modernisation	1.Students will aware that transformation in the modern world takes many different forms.2. To know about how notions like 'modernisation' need to be critically assessed.3. To know about the militarisation of Japan and China.

SPLIT-UP OF SYLLABUS 2020-21

SUB- MASS MEDIA STUDIES (835), CLASS: XI

BOOK PRESCRIBED: Understanding the Evolution and Forms of Mass Media [CBSE]

	MONTH	CHAPTERS/LESSONS TO BE TAUGHT	DISTRIBUTION OF MARKS FOR HALF YEARLY,PRE -ANNUAL AND ANNUALEXAMINATIONS
	JUNE	Part-A Skills Unit-1: Communication Skills Part-B Skills Unit-1: Introduction of Mass Communication	Theory 70 marks Practical 30 marks Total Marks 100 marks
	JULY	Part-A Skills Unit-2:Self-management Skills Part-B Skills Unit 2: Evolution of the Media	Part C Practical Work Practical Examination 15 marks Viva Voce 05marks Total 20marks
UT-I	AUG	Part-A Skills Unit 3: Information and Communication Technology Skills	Part D Project Work/Field Visit Practical File/Student Portfolio 10 marks Total 10 marks
	SEPT.	Part-A Skills Unit 4: Entrepreneurial Skills	Part A Employability Skills - 10 marks Part B Skills Unit 1 - 10 marks Unit 2 - 10 marks Unit 3 - 20 marks Unit 4 - 20 marks Total -70 marks
	OCT.	Part-A Skills Unit 5: Green Skills Revision & Half Yearly Examination	
	NOV.	Part-B Skills Unit 3: Understanding Media	
UT-II	DEC.	Part-B Skills Unit 4: Pre-production Skills	
	JAN.	Revision & Pre-Annual Examination	
	FEB.	Revision & Annual Exam.	

SPLIT-UP OF SYLLABUS 2019-20
CLASS: XI, SUB: Banking (811)
BOOKS PRESCRIBED: Banking (NCERT)

	MONTH	CHAPTER/TOPICS TO BE TAUGHT	CHAPTERWISE WEIGHTAGE	
			HALF YEARLY	ANNUAL
	JUNE	PART-A :Employability Skills		
		Unit1.Communication Skills....Contd.	10	10
JULY	Unit1.Communication Skills Unit2.Self-management Skills Unit3. Information and Communication Technology Skills			
UNIT TEST-I	AUGUST	1. PART-B :Vocational Skills	10	05
		2. Unit1.Introduction		
		3. Unit2. Banker & Customer....Contd.	15	10
	SEPTEMBER	4. Unit2. Banker & Customer....	25	20
		5. Unit3.Employment of Bank Funds		
	6. PROJECT WORK	40		
	OCTOBER	7. REVISION FOR HALF YEARLY EXAMINATION	Total: 100	
NOVEMBER	PART-A :Employability Skills			
	Unit 4.Entrepreneurial Skills Unit5. Green Skills			
UNIT TEST-II	DECEMBER	PART-B :Vocational Skills Unit4.Negotiable Instruments		15
PRE- ANNUAL	JANUARY	Project Work REVISION & PRE- ANNUAL EXAMINATION		40
ANNUAL	FEBRUARY	REVISION AND ANNUAL EXAMINATION		
			TOTAL:	100

QUESTION PATTERN (HALF-YEARLY)

TYPE OF QUESTION (S)	MARK(S) PER QUESTION	TOTAL NO. O QUESTIONS	TOTAL MARKS
VSA	1	14	14
SA-I	2	8	16
SA-II	3	5	15
LA-I	5	3	15
	Total:	30	60

NB : PROJECT WORK TOPIC -- 40 Marks

TOTAL - 100 Marks

BLUE PRINT (HALF-YEARLY)

SL NO.	CONTENTS UNIT/FORMS OF QUESTIONS	VSA (1)	SA-1 (2)	SA-2 (3)	LA-1 (5)	TOTAL MARKS
1	<u>Part-A</u> Employability Skills	4	3			10
2	<u>Part-B</u> Unit1.Introduction	2	1	2		10
3	Unit2. Banker & Customer	5	1	1	1	15
4	Unit3.Employment of Bank Funds	3	3	2	2	25
	Total :	1(14)=14	2(8)=16	3(5)=15	5(3)=15	60

QUESTION PATTERN (ANNUAL)

TYPE OF QUESTION (S)	MARKS(S) PER QUESTION	TOTAL NO. OF QUESTIONS	TOTAL MARKS
VSA	1	14	14
SA-I	2	8	16
SA-II	3	5	15
LA-I	5	3	15
	TOTAL:	30	60

NB : PROJECT WORK TOPIC -- 40 Marks

TOTAL - 100 Marks

N.B: Blue Print of Question Papers for Annual Examination will be as per DAV CAE guidelines.

10 Principles of ARYA SAMAJ

With Eternal Truths

1. God is the primary source of all true knowledge and of all that can be known through it.
2. God is Existent, Intelligent and Blissful. He is Formless, Almighty, Just Merciful, Unborn, Infinite, Unchangeable, Beginningless, Incomparable, Immortal, Fearless, Eternal, Holy and the Maker of the Universe. To Him alone worship is due.
3. The Vedas are the scriptures of true knowledge. It is the duty of all Aryas to read them, hear them being read and recite them to others.
4. We should always be ready to accept truth and give up untruth.
5. All actions should be performed in conformity with Dharma, that is, after due consideration of right and wrong.
6. The primary aim of the Arya Samaj is to do good for all, that is, promote their physical, spiritual and social well being.
7. We should treat all people with love, fairness and due regards for their merit.
8. We should aim at dispelling ignorance and promoting knowledge.
9. One should not only be content with one's own welfare, but should look for it in the welfare of others also.
10. One should regard oneself under restrictions to follow altruistic rulings of the society, while all should be free in following the rules of individual welfare.

