TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION, HYDERABAD

ACADEMIC YEAR 2020-2021

30% DELETED CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 2nd Year MODERN Language PART-III SYLLABUS

Subject: TELUGU (RASODAYAM)

పద్యభాగం	గద్యభాగం	కథాసుధ (ఉపవాచకం)
3. కుచేలుడు – గంగా రాజేశ్వరరావు	2. భారత సాంస్కృతిక పునరుజ్జీవనం – కోవెల సుప్రసన్నాచార్య 5. కవిత్వ భాష – చేకూరి రామారావు	4. తమసోమా జ్యోతిర్గమయ – పోల్కంపల్లి శాంతాదేవి

Subject: HINDI

विषय-सूची	आधुनिक कविता	आधुनिक गद्य	पूरक पाठ्यक्रम	प्रयोजन मूलक हिन्दी और काव्य शास्त्र
प्राचीन काव्य No Reduction	3. डॉ धर्मवीर भारती -कस्बे की शाम (Dr. Dharmaveer Bharati Kasbe Ki Shaam)	2. अज्ञेय-शरण दाता (Agyeya Shran Data) 3. हरिशंकर परसाई - निंदा रस (HarishankarParasayee - Ninda Ras) 4. बालकृष्ण शर्मा “नवीन” (जवाहर भाई) (Balakrishna Sharma ‘Naveen’ - Jawahar Bhai) 8. सिद्धनाथ कुमार - एक किरण एक दर्द (Siddhanah Kumar - Ek kiran ek Dard)	Hindi Non-detailed No Lesson Reduction	**प्रयोजन मूलक हिन्दी और काव्य शास्त्र** No Reduction

Subject: URDU (JAHAN-E-ADAB)

PART I	PART II	PART III
حصہ "الف"	حصہ "ب"	حصہ "ج"
2. اردو کے چار بڑے ادارے از مولوی عبدالحق	8. میر انیس و مرزا دبیر تلخیص و ترتیب	11. ذرائع ابلاغ از ڈاکٹر رشید احمد گوریجہ
3. رفقائے سرسید از ڈاکٹر سید عبیداللہ	9. نظیر اکبر آبادی از مولانا عبدالرحمٰن فاروقی	13. حیدرآباد کے اردو اخبارات از ڈاکٹر طیب انصاری

PART IV	PART V
NO CHANGE	NO CHANGE

Subject: ENGLISH

PROSE			POETRY		
3. The Mad Tea-Party	Lewis Carroll	26 – 39 (14 Pages)	2. The Second Coming	W B Yeats	111 – 117 (7 Pages)
5. The Prize Poem	Sir P G Wodehouse	49 – 64 (16 Pages)	6. Rakhi	Vikram Seth	135 – 138 (4 Pages)
7. Riders to the Sea	J M Synge	79 – 99 (21 Pages)			

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INTERMEDIATE 2nd YEAR Second Language PART-II SYLLABUS

Subject: TELUGU (SUBHODAYAM)

పద్యభాగం	గద్యభాగం	నాటక స్రవంతి (ఉపవాచకం)
4. అన్నదాత– మామిళ్ళ రామాగౌడ్	2. ఆదర్శమూర్తి–అరిగె రామస్వామి – ఎమ్.ఎల్. నరసింహారావు 6. పక్షుల కథనం – మౌలానా అబుల్ కలాం ఆజాద్	3. స్వాతంత్ర్యవాహిని – దాశరథి కృష్ణమాచార్య

Subject: HINDI

विषय-सूची	आधुनिक कविता	गद्य भाग	एकांकी सुधा	सरल हिन्दी व्याकरण
(साहित्य सेतु) **प्राचीन काव्य** NO LESSON REDUCED	5. ये कौन चित्रकार है - भरत व्यास	4. धरती - वासुदेवशरण अग्रवाल 5. बूढ़ी काकी - प्रेमचंद	Hindi Non-detailed 3. अशोक का शस्त्र त्याग - बंशीधर श्रीवास्तव	**(Hindi Grammar)** No. Reduction

Subject: URDU

NON-DETAILED:	GRAMMAR:	PROSE:	POETRY
سرسری مطالعہ ❖ وینس کا سوداگر از ولیم شیکسپیئر	قواعد ❖ کوئی تبدیلی نہیں (No Change)	نثر ❖ کرسی از منظورالامین ❖ ترکوں کے اخلاق وعادات از شبلی نعمانی	شاعری ❖ کشمیر از پنڈت برج نارائن چکبست ❖ غزل از پروین شاکر

Subject: ARABIC

NON-DETAILED	GRAMMAR	POETRY	PROSE
III. نتيجة الخيانة	NO CHANGE	V. جاري VI. الحاسوب	III. مظاهر العالم V. المرأة فى ظل الاسلام

Subject: SANSKRIT

पद्यभागः (Poetry)	गद्यभागः (Prose)	उपवाचकम्	पत्रलेखनम्	वाक्यशुद्धीकरणम्
1. कुमुद्वतीपरिणयः 3. साधुवर्तनम् - *15 and *17 (2 star marked verses are deleted) 4. गायत्रीनीतिगीतावलिः *18 and *20 (2 star marked verses are deleted) 5. रुद्रमदेवी	1. सोमदत्तचरितम् 4. भिषजो भैषज्यम्	(Non-Detailed) 2. मुद्राराक्षसम्	2. मातरम् प्रति मित्रस्य गृहागमननिवेदनम्	16 to 20 sentences

Subject: FRENCH

PROSE	LEXIQUE	CULTURE/ CIVILISATION	GRAMMAIRE
• La journée internationale de la francophonie	• Répondre à une offre d'emploi • Rédiger une demande d'emploi • Répondre à une interview • Écrire un C.V	• Le Québec	• Identifier l'objet direct et indirect • Les pronoms directs • Les pronoms indirects • La place des pronoms • Le participe présent • Les pronoms indéfinis

Note: Due to paucity of time, the above mentioned syllabus has been deleted for second year students for the academic year 2020-2021. However, the question paper pattern remains unchanged.

Subject: KANNADA

ಕಾವ್ಯಭಾಗ (Poetry Section)

1. ವಚನಗಳು:—ಉರಿಲಿಂಗ ಪೆದ್ದಿಯ ವಚನಗಳು
2. ಪಗೆಯಂ ಬಾಲಕನೆಂಬರೆ
3. ಹಬ್ಬಲಿ ಅವರ ರಸಬಳ್ಳಿ
4. ಶಿಲುಬೆ ಏರಿದ್ದಾನೆ
5. ಹತ್ತಿ... ಚಿತ್ತ... ಮತ್ತು...
6. ಒಮ್ಮೆ ನಗುತ್ತೇವೆ.

ಗದ್ಯಭಾಗ (Prose Section)

1. ಮಾಲ್ಗುಡಿ: ಅಭಿವೃದ್ಧಿ ತಂದ ದುರಂತ
2. ಕನ್ನಡವನ್ನು ಕಟ್ಟುವ ಕೆಲಸ
3. ಹಳ್ಳಿಯ ಚಹಾ ಹೋಟೆಲ್‌ಗಳು

Subject: MARATHI

भाग 1 (लेखन व व्याकरण)

अ. क्र.	लेखन व व्याकरण		पृष्ट क्र. P.N
2	सर्जनशील लेखन		5

भाग 2 (विनोद : एक वाङ्मयप्रकार)

ड	चाफा	- केशव कुमार	40

भाग 3 (गद्य विभाग)

3	माझ्या आयुष्याची गोष्ट	- गिरिजा कीर	55
4	.....आणि कैदेत	- ले. कर्नल श्याम चव्हाण	60

भाग 4 (पद्य विभाग)

1	संतवानी		
	क. अभक्ताची ओळख	- संत शेख महमद	83
7	विचार	- नारायण सुर्वे	95
8	बहरतील मळे	- फ. मु. शिंदे	97
9	नव्या शहरविषयी	- लोकनाथ यशवंत	99

भाग 5 (उपोयोजित मराठी)

2	भाषेचे उपयोजन : आकाशवाणी	113
4	मुलाखत	125

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ACADEMIC YEAR 2020-2021

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INTERMEDIATE 2nd YEAR ENGLISH PART-I SYLLABUS

MODULE / UNIT	Name of the Unit	Writer's Name	Omitted Pages From … to
Module : I Unit 2 Unit 4	Poetry : I Celebrate Myself Comprehension and Composition : Study Skills – I Section – B : Vocabulary : A Part of it Section – C : Understanding Non-verbal Data : Tables; Tree Diagrams and Flow Charts	Walt Whitman --- ---	13 – 16 34 – 40 (Page – 40 : First NINE Lines) 51 – 57
Module : II Unit 8	Composition : Letter Writing – Only Informal	---	103 – 108
Module : IV Unit 13	Prose : Polluting the World	---	164 – 174
Module : V Unit 17 Unit 19	Prose : The Sand Box (One-Act Play) Short Story : Don't die Hilton, don't die **Revision Test – V**	Edward Albee Chris Pritchard ---	211 – 226 233– 240 246 – 250
Module : VI Unit 22	Comprehension Passages : S.Nos.10;11;12;13	---	283 – 285

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(2020-2021) DELETED SYLLABUS – Part - III

Subject: HISTORY – II

Unit-I **GEOGRAPHY, SOURCES PRE-HISTORY**	**Unit-II** **Age of Satavahanas**	**Unit-III** **Post Satavahana Period**	**Unit-IV** **Age of Kaktatiyas**	**Unit-V** **Qutub Shahis**
1.4 Asmaka	**2.9** Language and Literature **2.10** Art and Architecture	**3.6** Economy **3.7** Society **3.8** Religion **3.9** Education, Language and Literature **3.10** Art & Architecture	**4.9** Post Kakatiya Period	**5.9** Mughal Interregnum (1687-1724CE)
Unit-VI **Asaf Jahis**	**Unit-VII** **Socio, Cultural and Political awakening in Telanagana**	**Unit-VIII** **Tribal and Peasant Movements in Telangana**	**Unit-IX** **Freedom Movement in Hyderabad State**	**Unit-X** **Separate Telangana State Movement – Early Phase**
6.7 Mir Mahaboob Ali Khan (1869-1911CE) **6.8** Mir Osman Ali Khan (1911-1948CE)	**7.8** Wahabi Movement **7.9** The Majlis-e-Ittehad-ul-Muslimeen **7.10** Political Awareness	**8.2** Tribal revolts	**9.5** Join India Movement	**10.4** Telangana Praja Samithi **10.5** Eight point Formula
Unit-XI **Separate Telangana State Movement – Later Phase**	**Unit-XII** **Fairs and Festivals of Telangana**			
11.8 Non-Cooperation Movements	12.3 Popular Jataras			

Subject: ECONOMICS – II

Unit – 1 **Economic Growth and Economic Development**	Unit – 2 **Demography and Human Resource Development**	Unit – 3 **National Income, Poverty and Unemployment**	Unit – 4 **Planning and NITI Aayog**	Unit – 5 **Agricultural Sector**
1.3.5 Physical Quality of Life Index (PQLI) **1.3.7** Gender related Development Index (GDI) **1.3.8** The Social Progress Index (SPI) **1.6** Characteristics of Developed Economies	**2.5** Population Policy in India **2.9.1** Construction of Human Development Index (HDI) **2.9.2** Gender Related Indices **2.10** Views of Amartya Sen on Human Development	**3.4** Share of Public Sector and Private Sector in GDP **3.6.2** Types of Poverty **3.6.3** Incidence of Poverty in India **3.10** Poverty alleviation and Employment Generation programmes in India (Table) **3.9** Views of Abhijit Banerjee on Poverty	**4.1.2** Types of Planning **4.5** Rural - Urban Imbalances **4.6** Regional Imbalances : Causes, Consequences & Remedial Measures	**5.5.2** National Bank for Agriculture and Rural Development (NABARD) and Rural Credit **5.7** Agricultural Pricing Policy in India **5.8.2** Stages of Food Security **5.8.3** Main components of the Food Security system
Unit – 6 **Industrial Sector**	**Unit – 7** **Tertiary Sector**	**Unit – 8** **Foreign Sector**	**Unit – 9** **Environmental Economics**	**Unit – 9** **Telangana Economy**
6.2.5 Major Industries in India **6.4.3** Industrial Policy Resolution, 1977	**7.5** Tourism Sector **7ssssss.11** Banking Sector **7.13** Space Sector	**8.5** Objectives and Functions of GATT **8.6** Objectives and Functions of World	**9.1.2** Types of Environment **9.2.3** (II) Reasons for Environment Degradation	**(No deletion)**

6.4.4 Industrial Policy Resolution, 1980 **6.4.6** National Manufacturing Policy(NMP), 2011 of India **6.6** Demonetization ***6.7*** Goods and Services Tax (GST) **6.11.1** (G) Development Finance Institutions		Trade Organization (WTO) **8.7** Impact of WTO on Indian Economy	**9.3** Natural Resources	

Subject: POLITICAL SCIENCE (CIVICS) - II

Unit – V **Centre State Relations**	**Unit – VI** **Local Government**	**Unit – VII** **Election System in India**	**Unit – VIII** **Contemporary Issues in Indian Politics**	**Unit – X** **Smart Governance**
5.2 Union-State Conflicts :Sarkaria Commission, Punchi Commission **5.3** Central Finance Commission **5.4** Inter-State Council	**6.1** Rural Development Panchayat Raj Institutions	**7.3** Electoral Reforms in India **7.4** Political Parties in India a) National Parties b) Regional Parties **7.5** Anty Deflection Law	**8.1** Dynamic Nature of Indian Politics **8.2** Regionalism **8.3** Coalition Politics **8.5** Terrorism, Anty Terrorism Acts	**10.3** E-Governance **10.4** Rights to Information Act-2005 **10.6** Transparency and Accountability

Unit – XI **India and the World**				
11.1 Determinants of Foreign Policy **11.4** India and BRICS **11.5** India and BIMSTEC **11.6** SAARC				

Subject: GEOGRAPHY – II

Part-A: Fundamentals of Human and Economic Geography

UNIT 1 **Human Geography**	**UNIT 2** **World Population**	**UNIT 3** **Economic Geography**	**UNIT 4** **World Transportation and Trade**	**UNIT 6** **Human Settlements:**
Branches of Human Geography- their general characteristics	Migration: internal and international; Causes and consequences Human Development: concepts, Indicators and world patterns	Modern agriculture; people engaged in agricultural and allied activities. Fisheries – factors and important fishing grounds; Agriculture regions of the world. Forest based (paper), hydroelectric power; Small scale manufacturing industries: locational factors, distribution and production. People engaged in secondary activities examples, Trade, Transport and tourism; services,	Factors affecting land, water and air transport; Impact of globalization on economic development. Role of WTO in international trade (World Trade Organization)	Urbanization trends and consequences.

Part – B: Geography of India

UNIT 7 Physiography	UNIT 8 Climate	UNIT 9 Population	UNIT 10 Resources	UNIT 11 Land Resources
Geology	Characteristics; Soil degradation and conservation Wild life conservation, biosphere reserves	Demographic characteristics: literacy, sex ratio; regional variations in population growth	Bauxite; natural gas, hydroelectric power	trade; Problems of Indian agriculture. Land Degradation
Unit 12 Water Resources	**Unit 13 Industries**	**Unit 14 Transport and Trade**		
Narmada and Damodar Valley Corporation.	Iron and Steel, Petro Chemicals, SEZs	India's international trade.		

Part – C: Telangana

UNIT 15 Telangana	UNIT 16 Climate	UNIT 17 Population		
Geology	Soil degradation and conservation	No deletion		

Subject: GEOGRAPHY – II - PRACTICALS

Representation of Data

1. **Diagrammatic representation of geographical data**:
   Pyramid diagram- age-sex pyramid.
   Square and Rectangular diagrams,
   Three- dimensional: Cube, and Sphere diagrams.
2. Distribution maps: methods and their characteristics.
3. **Sources of Data**; Frequency Polygon and Ogive Curve.
4. Measures of Central Tendency: Measures of dispersion: Range, Quartiles, , relative measure of dispersion.
5. Introduction to GIS: Global Positioning System (GPS).

Subject: PUBLIC ADMINISTRATION - II

Unit-I Evolution of Indian Administration	Unit-II Administration at union level	Unit-III Important Constitutional bodies	Unit-IV Administration at state level	Unit-V Administration at District and village level
1 Evolution of Indian Administration 2 Administration during Mughal Period 3 Administration during British period-Change and Continuity	5 President, Prime Minister and Council of Ministers 7 Planning Machinery - NITI Aayog	9 Election Commission 11 Comptroller and Auditor General	12 Administrative History of Telangana 13 Governor, Chief Minister and Council of Ministers 15 Centre -state Relations	16 Rural Local Bodies 17 Urban Local Bodies 19 Role of Collector in District Administration 20 Village Administration-Village Secretariat
Unit-VI **Welfare Administration**	**Unit-VII** **Issues and Challenges in Indian Administration**			
22 Programmes for the welfare of Women and Children 23 Programmes for the welfare of SC's and ST's 24 Programmes for the welfare of BC's	26 Corruption-Role of CBI and CVC in elimination of Corruption 28 Disaster Management 29 Peoples' participation			

Subject: COMMERCE – II

Unit I Financial Markets and Stock Exchange	Unit II Banking and Insurance	Unit III Entrepreneurship	Unit IV Internal and International Trade	Unit V Principles and Functions of Management
1.7 Money Market Instruments **1.8** Debt Market Instruments **1.9** Equity Market instruments **1.10** Convertibles	**3.5** Classification of Banks **3.6** E-Banking, ATM, Anywhere Banking, Internet Banking	**6.4** Start ups: Concept - Pre-requisites - Registration – Funding	**7.6** Special Economic Zones **8.6** Procedures and Formalities of Export Trade	**9.4** Nature of Management **9.6** Levels of Management **9.7** Management vs Administration

2.6 Concept of BSE and NSE **2.7** SEBI **2.8** Stock Broker **2.8.1** Meaning **2.8.2** Role **2.8.3** Need for services of Stock Broker		**6.5** Case studies of 5 successful Indian Entrepreneurs	**8.7** Procedures and Formalities of Import Trade **8.8** Export Processing Zones	**10.2** Planning **10.2.1** Importance of Planning **10.2.3** Feature of Planning **10.3.1** Meaning of Organizing **10.3.3** Importance of Organizing **10.4** Staffing **10.4.2** Importance of Staffing **10.5** Directing **10.5.2** Importance of Directing **10.6** Meaning of Controlling **10.6.3** Limitations of Controlling

Subject: ACCOUNTANCY– II

Unit-I **Depreciation**	**Unit-II** **Consignment Accounts**	**Unit-III** **Accounts of Not for Profit (or Non-Trading) Organisations**	**Unit-IV** **Partnership Accounts**	**Unit-V** **Computerized Accounting System**
1.3 Significance of Depreciation	**2.2** Significance of Consignment; **2.7** Loss of Stock - **2.8** Problems with Proforma Invoice method	**3.12** Preparation of Balance Sheet. No problems requiring preparation of opening balance sheet and/ or preparation of Revenue account based on Income & Expenditure A/c to be covered (Q.Nos. 11 to 15 need not be covered)	**6.8** Death of Partner (Theory only)	7.5 Limitations of Computerised Accounting; 7.7 Types of Accounting Softwares (Theory only)

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(2020-2021) DELETED SYLLABUS – Part - III

Subject: MATHEMATICS- IIA

Chapter-1 **Complex Numbers**	**Chapter-2** **Demovier's Theorem**	**Chapter-3** **Quadratic expressions**	**Chapter-5** **Permutations and Combinations**	**Chapter-6** **Binomial Theorem**
1.3 Modulus and amplitude, **1.4** Geometrical and polar representation	Exercise 2 (b) section II onwards	**3.3** Quadratic inequalities	**5.3** Permutations when repetitions are allowed, **5.4** Circular permutations, **5.5** Permutations with constraint repetitions Exercise 5(e) Section III	Exercise 6(a) Section II 5th problem onwards and related examples Exercise 6(b) Section II and related examples Exercise 6(c)
Chapter-7 **Partial Fractions**	**Chapter-8** **Measures of Dispersion**	**Chapter-9** **Probability**		
Exercise 7 (d)	**8.2.2** Mean Deviation for grouped data onwards Exercise 8(a) Section I Problem 3 onwards	**9.3.9** Baye's Theorem and problems on Baye's theorem		

Subject: MATHEMATICS- IIB

Chapter-3 Parabola	Chapter-4 Ellipse	Chapter-5 Hyperbola	Chapter-6 Integration	Chapter-7 Definite Integrals
3.2 Equation of tangent and normal at a point on the parabola	**4.2** Equation of tangent and normal at a point on the ellipse	**5.2** Equation of tangent and normal at a point on the hyperbola Exercise 5(a) Section II onwards and related examples	**6.2(b)** Integration by parts onwards **6.3** Integration-partial fraction method **6.4** Reduction formulae	Exercise-7(b) Section II (8 to 15), **7.5** Reduction formula **7.6** Application of definite integrals to areas
Chapter-8 **Differential equations**				
8.2(b) Homogeneous DE, **8.2(c)** Non homogeneous DE, **8.2(d)** Linear differential equations				

Subject: PHYSICS- II

Chapter-1 WAVES	Chapter-2 RAY OPTICS AND OPTICAL INSTRUMENTS	Chapter-3 WAVE OPTICS	Chapter-4 ELECTRIC CHARGES AND FIELDS	Chapter-5 ELECTROSTATIC POTENTIAL AND CAPACITANCE
1.8 Doppler Effect	**2.2** Reflection of light by Spherical Mirrors **2.8.2** Scattering of light	**3.6.3** Resolving power of optical instruments **3.7** Polarization	**4.15.3** Field due to a uniformly charged thin spherical shell	5.16 Van de Graaf generator

Chapter-6 CURRENT ELECTRICITY	Chapter-7 MOVING CHARGES AND MAGNETISM	Chapter-8 MAGNETISM AND MATTER	Chapter-9 ELECTROMAGNETIC INDUCTION	Chapter-10 ALTERNATING CURRENT
6.7 Resistivity of various Materials **6.10** Combination of resistors-series and parallel	**7.4** Motion in combined electric and magnetic fields	**8.2.2** Bar Magnet as a equivalent solenoid **8.2.3** The dipole in a uniform magnetic field **8.6** Magnetic properties of materials **8.7** Permanent magnets and electromagnets	No deletions	**10.7** Power in AC Circuits: The power factor
Chapter-11 **ELECTRO MAGNETIC WAVES**	**Chapter-12** **DUAL NATURE OF RADIATION AND MATTER**	**Chapter-13** **ATOMS**	**Chapter-14** **NUCLEI**	**Chapter-15** **SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS**
11.2 Displacement Current	**12.9** Davisson and Germer Experiment	No deletions	**14.4.2** Nuclear Binding energy **14.6** Radioactivity	**15.8.1** Zener diode **15.9.3** Transistor as a device **15.9.4** Transistor as an amplifier (CE configuration) **15.9.5** Feedback amplifier and transistor oscillator
Chapter-16 **COMMUNICATION SYSTEMS**				
No deletions				

Deleted Experiments of Second Year

1	2	3
Concave mirror	Tangent galvanometer	Characteristics of transistor

Subject: CHEMISTRY - II

Chapter-I **Solid state**	**Chapter-II** **Solutions**	**Chapter-III** **Electrochemistry and Chemical Kinetics** **Electrochemistry**	**Chapter-IV** **Surface Chemistry**	**Chapter-V** **General Principles of Metallurgy**
1.11 Electrical properties **1.12** Magnetic properties(Band theory of metals, conductors, semiconductors and insulators and n and p type semiconductors)	**2.7** Abnormal molar masses	**3.1** Electrochemical cells **3.2** Galvanic cells **3.5** Electrolytic cells **3.6** Batteries: primary and secondary batteries **3.7** Fuel cells **3.8** Corrosion of metals-Hydrogen economy **3.14** Collision theory of chemical reaction rates.	**4.5** Emulsions – types of emulsions, catalysis, homogenous and heterogenous, activity and selectivity of solid catalysis, enzyme catyalsis.	*Entire chapter deleted*
Chapter-VI **p-block Elements Group-15 Elements**	**Chapter-VII** **d and f Block Elements & Coordination Compounds**	**Chapter-VIII** **Polymers**	**Chapter-IX** **Biomolecules**	**Chapter-X** **Chemistry in Everyday life**
6.7 Phosphine-preparation and properties **6.8** Phosphorous halides **6.9** Oxoacids of phosphorous **6.17** Sulphuric acid-industrial process of manufacture.	**7.4** Some important compounds of transition elements **7.5** Inner transition elements **7.6** Actinoids **7.7** Some applications of d and f block elements and Coordination Compounds (preparation and properties of $KMNo_4$ and $K_2Cr_2o_7$, structure and stereoisomerism of coordination compounds, extraction of metals and biological system)	*Entire chapter deleted*	**9.1** Disaccharides (sucrose, lactose, maltose), poly saccharides(starch, cellulose, glycozen), importance of carbohydrates) **9.3** Enzymes: Enzymes, mechanism of enzyme action **9.4** Vitamins **9.6** Hormones.	*Entire chapter deleted*

Chapter-XI Halo Alkanes and Halo Arenes	Chapter-XII Organic Compounds Containing C,H and O	Chapter-XIII Organic compounds containing nitrogen		
11.6 Polyhalogen compounds.	**12.7** Commercially important alcohols (uses with special reference to methanol and ethanol	**II.Diazonium salts** **13.7** Methods of preparation of diazonium salts **13.8** Physical properties **13.9** Chemical reactions **13.10** Importance of diazonium salts in synthesis of aromatic compounds **III.Cyanides and Isocyanides** **13.11** Structure and nomenclature of cyanides and isocyanides **13.12** Preparation, physical properties and chemical reactions of cyanides and isocyanides.		

Deleted PRATICALS

b. Preperation of one Lyophilic and one lyophobic sol Lyophilic sol – starch, egg albumin and gum lyophobic sol – aluminium hydroxide, ferric hydroxide, arsenous sulphide.

c. Chromatography

i) Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of Rf values.

ii) Separation of constituents present in an inorganic mixture containing two cations only (constituents having large difference in Rf values to be provided).

Subject: BOTANY – II

CHAPTER 1 TRANSPORT IN PLANTS	CHAPTER 2 MINERAL NUTRITION	CHAPTER 6 PLANT GROWTH AND DEVELOPMENT	CHAPTER 7 BACTERIA	CHAPTER 8 VIRUSES
1 TO 25 pages	29 TO 42 pages	105 to 113 pages & 118 to123 pages	127 to 135 Pages	137 to 145 pages

CHAPTER 13 STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION	Deleted PRATICALS
241 TO 256 Pages	**Part-I (To be performed by students)** 1. Study of Osmosis by potato Osmoscope. 2. Study of plasmolysis in epidermal peel. 3. Comparative study of rates of transpiration in the upper and lower surfaces of leaf (by $cocl_2$ method) 4. Study of plant population density and frequency by quadrant method. **Part II (To be demonstrated by teacher)** 5. Study of imbibition of seeds 6. Observe & Comment: Suction due to transpiration pull 7. *Activity*: Exercise on controlled pollination- Emasculation, tagging & bagging

Subject: ZOOLOGY – II

UNIT-I Human Anatomy and Physiology -I	UNIT III Human Anatomy and Physiology-III	UNIT VII Organic Evolution	UNIT VIII Applied Biology	
Unit I A: **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, egestion, Calorific value of proteins, carbohydrates and fats (for box item-not to be evaluated); Nutritional disorders: Protein Energy Malnutrion (PEM), indigestion, constipation, vomiting, jaundice, diarrhea, Kwashiorkor.	**Unit IIIA: Muscular and Skeletal system** Skeletal system and its functions; Joints. *(to be dealt with relevance to practical syllabus);* Disorders of the muscular and skeletal system: myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout, regormortis. **Unit III B: Neural control and co-ordination** Reflex action; Sensory perception; Sense organs; Brief description of other receptors; Elementary structure and functioning of eye and ear.	Origin of Life, Biological evolution and Evidences for biological evolution (palaeontological, comparative anatomical, embryological and molecular evidences); Theories of evolution: Lamarckism (in brief), Darwin's theory of Evolution -Natural Selection with example (Kettlewell's experiments on Bistonbitularia), Mutation Theory of Hugo De Vries; Modern synthetic theory of Evolution - Hardy-Weinberg law ; Types of Natural Selection; Gene flow and genetic drift; Variations (mutations and genetic recombination); Adaptive radiation - viz., Darwin's finches and adaptive radiation in marsupials; Human evolution; Speciation - Allopatric, sympatric; Reproductive isolation.	Bio-medical Technology : Diagnostic Imaging X-ray, CTscan, MRI, ECG, EEG; ELISA.	

ZOOLOGY – II - Deleted PRATICALS

A. DISSECTIONS AS MODELS THROUGH UNLABELLED MODELS OR CHARTS	B. PHYSIOLOGY EXPERIMENTS	C. VERTEBRATE SLIDES OF MAMMAL	D. OSTEOLOGY – JOINTS
Human Digestive system	1. Identification of presence of lipids/fats in the given samples. 2. Identification of presence of starch in the given samples.	1. T.S. of stomach 2. T.S. of intestine 3. T.S. of liver 4. T.S. of pancreas	1. Ball and socket joint 2. Hinge joint 3. Pivot joint 4. Gliding joint