

II Revision Exam Syllabus 2021 – 22 (January and February)

STANDARD-10

S. No	Subject	Page No
1.	Tamil	1
2.	English	2
3.	Maths	3
4.	Science	4
5.	Social Science	8



பாடத்திட்டம் 2021 – 2022

வகுப்பு : 10

பாடம்: தமிழ்

மாதம்	மொத்த இயல்கள்	பாடப்பொருள்
ஜனவரி	2	<p>இயல் 4 கவிதைப் பேழை - பெருமாள் திருமொழி கற்கண்டு - இலக்கணம் - பொது</p> <p>இயல் 5 கவிதைப் பேழை - நீதிவெண்பா கற்கண்டு - வினா வகைகள், விடை வகைகள், பொருள்கோள்</p>
பிப்ரவரி	1	<p>இயல் 6 கவிதைப் பேழை - கம்பராமாயணம் கற்கண்டு - அகப்பொருள் இலக்கணம் வாழ்வியல் - திருக்குறள்</p>



SYLLABUS 2021-2022

STD : 10

SUBJECT : ENGLISH

MONTH	No. of UNITS	CONTENT
JANUARY	1	Unit 3 PROSE - Empowered Women Navigating the World POEM - I am Every Woman GRAMMAR - Tense
FEBRUARY	1	Unit 4 PROSE - The Attic GRAMMAR - Phrases and Clauses - Conjunctions - Nominalisation



SYLLABUS 2021-2022

STD : 10

SUBJECT : MATHS

MONTH	Total Number of Units	UNIT	CONTENT
JANUARY	1	4. Geometry	4.1 Introduction 4.2 Similarity 4.3 Thales Theorem and Angle Bisector Theorem (Theorems 1,3-with proof & 2,4-without proof) 4.4 Pythagoras Theorem (Theorem 5-with proof) 4.5 Circles and Tangents (Theorem 6-without proof) 4.6 Concurrency Theorems
FEBRUARY	2	5. Coordinate Geometry	5.1 Introduction 5.2 Area of a Triangle 5.3 Area of a Quadrilateral 5.4 Inclination of a Line 5.5 Straight Line
		6. Trigonometry	6.1 Introduction 6.3 Heights and Distances

SYLLABUS 2021-2022

CLASS-10

SUBJECT: SCIENCE

Month	No. of Units	Content		
		Theory	Practical	
JANUARY	4	Physics 3. Thermal Physics	Introduction 3.1 Temperature 3.1.1 Absolute scale (Kelvin scale) of temperature 3.1.2 Thermal equilibrium 3.2 Thermal Energy 3.2.1 Characteristic features of heat energy transfer 3.2.2 Other units of Heat energy 3.4 Fundamental laws of gases 3.4.1 Boyle's law 3.4.2 Charles' law 3.4.3 Avogadro's law 3.5 Gases 3.5.1 Real gases 3.5.2 Ideal gases	3. Determination of resistivity
		Chemistry 8. Periodic Classification of Elements	Introduction 8.1 Modern periodic law 8.2 Modern periodic table 8.2.1 Features of periods 8.2.2 Features of groups 8.6. Properties of metals 8.6.1 Physical properties 8.6.2 Chemical properties 8.10 Alloys 8.10.1 Amalgam 8.10.2 Method of making alloys 8.10.3 Types of alloys 8.11 Corrosion 8.11.2 Methods of preventing corrosion	



JANUARY	Biology	<p>Introduction</p> <p>14.1 Means of Transport in Plants</p> <p>14.1.1 Diffusion</p> <p>14.1.2 Active Transport</p> <p>14.1.3 Osmosis</p> <p>14.2 Root hair – water absorbing unit</p> <p>14.3 Pathway of water absorbed by roots</p> <p>14.4 Types of movement of water into the root cells</p> <p>14.4.1 Apoplast Pathway</p> <p>14.4.2 Symplast Pathway</p> <p>14.5 Transpiration</p> <p>14.5.1 Factors affecting transpiration,</p> <p>14.6 Root pressure</p> <p>14.7 Uptake of minerals</p> <p>14.8 Translocation of Mineral Ions</p> <p>14.9 Phloem Transport</p> <p>14.10 Translocation of sugars</p> <p>14.12 Blood</p> <p>14.15 Structure of Human heart</p> <p>14.15.2 Heart Beat</p> <p>14.17 Blood Groups</p>	13. Identification of Blood cells
	Biology	<p>Introduction</p> <p>16.1 Plant Hormones</p> <p>16.1.1 Auxins (Except Went's Experiment)</p> <p>16.1.2 Cytokinins</p> <p>16.1.3 Gibberellins</p> <p>16.2 Human Endocrine glands</p> <p>16.2.1 Pituitary Gland</p> <p>16.2.2 Thyroid Gland</p> <p>16.2.4 Pancreas (Islets of Langerhans)</p> <p>16.2.5 Adrenal Gland</p> <p>16.2.6 Reproductive Glands</p> <p>16.2.7 Thymus Gland</p>	





Month	No. of Units	Content		
		Theory	Practical	
FEBRUARY	4	Physics 4. Electricity	Introduction 4.1 Electric Current 4.1.1 Definition of Electric Current 4.1.2 SI unit of Electric current 4.2 Electric circuit 4.2.1 Electrical components 4.3 Electric potential and Potential difference 4.3.1 Electric Potential 4.3.2 Electric Potential Difference 4.3.3 Volt 4.4 Ohm's law 4.5 Resistance of a material 4.5.1 Unit of Resistance 4.6 Electrical resistivity and electrical conductivity 4.6.1 Electrical resistivity 4.6.2 Conductance and Conductivity 4.8 Heating effect of current 4.8.1 Joule's Law of Heating 4.9 Electric power 4.9.1 Unit of electric power 4.9.2 Consumption of electrical energy	5. Testing the solubility of salt
		Chemistry 9. Solutions	Introduction 9.2 Components of solutions 9.3 Types of solutions 9.3.1 Based on the physical state of the solute and the solvent 9.3.2 Based on the type of solvent 9.3.3 Based on the amount of solute 9.3.4 Concentrated and dilute Solutions 9.6 Hydrated salts and water of crystallization 9.6.1 Copper sulphate pentahydrate 9.6.2 Magnesium sulphate heptahydrate 9.7 Hygroscopy 9.8 Deliquescence	





Month	No. of Units	Content	
		Theory	Practical
FEBRUARY		<p>Biology</p> <p>17. Reproduction in Plants and Animals</p> <p>Introduction</p> <p>17.3 Sexual Reproduction in Plants</p> <p>17.3.1 Parts of a Typical Flower</p> <p>17.3.2 Structure of the Ovule</p> <p>17.4 Pollination</p> <p>17.4.1 Types of Pollination</p> <p>17.6 Fertilization in Plants</p> <p>17.7 Sexual reproduction in human</p> <p>17.7.1 Male reproductive organ - Structure of Testes</p> <p>17.7.2. Female reproductive organ - Structure of Ovary</p> <p>17.8 Gametogenesis</p> <p>17.8.1 Structure of human Sperm</p> <p>17.8.2 Structure of human Ovum</p> <p>17.9 Menstrual cycle - Process of Ovulation</p> <p>17.14 Personal Hygiene</p> <p>17.14.1 Body Hygiene</p> <p>17.14.2 Toilet Hygiene</p> <p>17.14.3 Menstrual and napkin Hygiene</p>	<p>10. Mendel's monohybrid cross</p>
		<p>Biology</p> <p>18. Genetics</p> <p>Introduction</p> <p>18.1 Gregor Johann Mendel – Father of Genetics</p> <p>18.2 Monohybrid cross-Inheritance of one gene</p> <p>18.3 Dihybrid Cross- Inheritance of two genes and Law of Independent Assortment</p> <p>18.4 Mendel's laws</p> <p>18.5 Chromosomes, DNA and genes</p> <p>18.5.1 Structure of a Chromosome</p> <p>18.5.4. Karyotype</p> <p>18.6 Structure of DNA</p> <p>18.6.1 Watson and Crick model of DNA</p> <p>18.6.2 DNA Replication</p> <p>18.6.3 Significance of DNA</p> <p>18.7. Sex Determination</p> <p>18.7.1. Sex Determination in Human</p>	



SYLLABUS 2021-2022

STD: 10

SUBJECT: SOCIAL SCIENCE

MONTH	Total Number of Units	UNIT		Content
JANUARY	5	History	3. World War II	3.1. Causes, Course and Effects of World War II 3.2. Holocaust and its fallout
			4. The World after World War -II	4.5. Non-Aligned Movement
		Geography	3. India – Agriculture	3.1 Soils 3.2 Modern irrigation methods 3.3 Agriculture 3.7. Major issues faced by farmers in India
		Civics	3. State Government	Entire Unit
		Economics	2. Globalization and Trade	2.1. Globalization 2.4. Globalization In India 2.7. Impact and challenges of Globalization



MONTH	Total Number of Units	UNIT		Content
FEBRUARY	6	History	5. Social and Religious Reform Movements in the 19th Century	Entire Unit
			6. Early Revolts Against British Rules In Tamil Nadu	Entire Unit
		Geography	4. India- Resources and Industries	4.1. Minerals-Types of Minerals 4.2. Energy Resources
			5. India-Population, Transport, Communication and Trade	5.1. Population 5.3. Urbanization
		Civics	4. India's foreign policy	Entire Unit
		Economics	3. Food security and Nutrition	Entire Unit

