

MATA DRAUPADI NAMDHARI GURU GOBIND SINGH PUBLIC SCHOOL

JAMUNE, DALTONGANJ (PALAMAU)

Syllabus (2019-20)

STD – VII

SUB – **English**

Prescribed Books

Publication

- | | |
|---------------------------|-----------|
| 1. Magic Lantern | Frank Edu |
| 2. Magic Lantern W/B | Frank Edu |
| 3. Simple English Grammar | Frank Edu |
| 4. Keep Talking | Fortuner |

<u>Month</u>	<u>Course Book</u>	<u>Work Book</u>	<u>Gr/Writing</u>	<u>Periodic Test</u>
April	1. The Open window hints on pronunciation for foreigners 2. The elephants that struck work	The open window The elephants That struck work	Sentence, Dashes, hyphens, brackets Letter	T1
May	3. Three questions The Pied Piper of Hamelin	Three questions	Articles Nouns (C/U)	T1
June	4. Mr Sherlock holmes 5. The magic Islands	Mr. Sherlock Holmes	Verb Adjectives	T2
July	The Gresford disaster 6. Two cases of Grip	Two cases of Grip	Infinitives Gerunds	T2
August	7. My school days If only I were	My school days	Modals Comprehension	T2
September	Revision for Half Yearly Examination			
October	8. The ways of the Jungle The Tiger	The ways of the Jungel	Voice	T3
November	9. Corvus, the Intelligent crow	Corvus, the Intelligent crow	Adverbs synonyms and antonyms	T3
December	10. Little brother India's pride	Little brother	Preposition conjunctions	T4
January	11. Malala 12. Hucr and Jim Escape	Malala	Diary writing words confusion	T4
February	Anirish Foresees his death and Revision	Hucr and Jim Escape	Sample letters Idiomatic Expressions	
March	Annual Examination			

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SUB – **Mathematics**

Prescribed Book

1. Together with New Mathematics
2. Mental Maths

Publisher

- Rachna Sagar
Frank Edu

<u>Month</u>	<u>Course Book</u>
April	1. Integers, 2. Fractions, 3. Decimals – 3(A) & 3(B)
May	3(C) Decimal Continued..., 4. Simple equations
June	5. Rational numbers
July	6. Operation on Rational number, 7. Comparing quantities
August	8. Exponents, 9. Algebraic expression
September	10. Perimeter and Area, 11. Lines and angles (Half Yearly Exam)
October	12. The Triangle and it's properties
November	13. Congruence of triangles
December	14. Practical Geometry, 15. Symmetry
January	16. Data Handling
February	17. Visualizing solid shapes and Revision
March	Annual Examination

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SUB – **PHYSICS**

Prescribed Books

Publisher

1. New Learning Science

Frank Edu

2. Science Lab Manual

Horizon

<u>Months</u>	<u>Chapter/Topic to be covered</u>	<u>Activity/Project/Practical</u>
April	UNIT.11 HEAT • SCALES OF TEMPERATURE • CAPILLARY TUBE • KINK • THERMOMETER – CLINICAL & DIGITAL AND LABORATORY	• INTER CONVERSION OF 8F SCALE TO 8C SCALE AND VICE-VERSE
May	• CALIBRATION OF THERMOMETRE • EFFECT OF HEAT • TRANSMISSION OF HEAT	
June	UNIT.17 WIND, STORMS AND CYCLONES • REGION FOR MOVEMENT OF AIR • CHARACTERISTICS OF WIND	CASE STUDY OF CYCLONE • FORMATION OF CYCLONE • LABELLED DIAGRAM OF CYCLONE
July	• SEA BREEZE AND LAND BREEZE • BAROMETER AND ANEMOMETER • EFFECT OF CYCLONES	
August	UNIT.12 TIME AND MOTION • NEED TO MEASURE TIME • IMPORTANT TERM RELATED TO A SIMPLE PENDULUM	ACTIVITY • MEASUREMENT OF TIME-PERIOD FOR OSCILLATION
September	• UNIFORM/NON-UNIFORM MOTION • GRAPHICAL REPRESENTATION OF MOTION UNIT.11, 17, 12 REVISION • HALF YEARLY EXAM	
October	UNIT.14 ELECTRIC CURRENT AND ITS EFFECTS • FORM OF ENERGY • CFL AND LED • SOURCE OF ELECTRICAL ENERGY	ASSEMBLE – ELECTRIC BELL USING ITS COMPONENT
November	• HEATING EFFECT OF CURRENT • ELECTRIC FUSE AND MCB • IMPORTANCE OF EARTHING • MAGNETIC EFFECT OF ELECTRIC CURRENT • ELECTRO MAGNET • ELECTRIC BELL	
December	UNIT.13 LIGHT • RECTILINEAR PROPAGATION • REFLECTION PLANEMIRROR/CURVED MIRROR • RAY – DIAGRAM FOR IMAGE FOR CURVED MIRROR	MAKE A CHART • FOR IMAGE FORMATION IN FRONT OF CONCAVE MIRROR/CONVEXLENS FOR DIFFERENT POSITION OF OBJECT
January	• REFRACTION • LENS • RAY-DIAGRAM FOR LENS • DISPERSION OF LIGHT • USES OF MIRRORS AND LENS (CONCAVE/CONVEX)	
February	UNIT.11, 12, 14 AND 13 REVISION	
March	ANNUAL EXAMINATION	

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SUB – **CHEMISTRY**

PRESCRIBED BOOK

PUBLICATION

1. NEW LEARNING SCIENCE

FRANK EDU

2. SCIENCE LAB MANUAL

HORIZON

Months	Chapter/Topic to be covered	Activity/Project/Practical
April	UNIT.7 – ELEMENTS, COMPOUNDS AND CHEMICAL EQUATION • SYMBOLS OF ELEMENT • CHEMICAL FORMULAE OF ELEMENT	MAKE A CHART OF SYMBOLS FOR • ELEMENT OF LATIN CONVERSION • ELEMENT NAMED FOR THE SCIENTIST NAME/PLACE OF INVENTION
May	• CHEMICAL FORMULAE OF COMPOUND • IMPORTANCE OF CHEMICAL FORMULAE • VALANCY • IONS • RADICALS • WRITING CHEMICAL FORMULAE • BALANCING CHEMICAL EQUATION	
June	UNIT.8 ACID, BASES AND SALTS • INDICATORS FOR TESTING ACIDS/BASES • ORGANIC ACIDS/MINERAL ACIDS • BASES-STRONG/SALTS • NEUTRALISATION/SALTS	TABULATE • SOURCE OF ORGANIC ACID • PRODUCTION OF SALTS (ACIDIC/BASIC/NEUTRAL)
July	UNIT.9 PHYSICAL AND CHEMICAL CHANGES • CHARACTERISTICS • IMPORTANCE • CONDITION FOR RUSTING FOR IRON	ENLIST • PHYSICAL IRREVERSIBLE CHANGE • CHEMICAL REVERSIBLE CHANGE
August	UNIT.18 WATER • FORMS OF WATER • DEPLETION OF WATER TABLE • WATER CYCLE • MISMANAGEMENT AND PROPER MANAGEMENT OF WATER • RAIN WATER HARVESTING	DRAW • LABELLED DIAGRAM OF WATER CYCLE • LABELLED DIAGRAM OF RAIN WATER HARVESTING
September	UNIT.7, 8, 9 AND 18 REVISION • HALF YEARLY EXAM UNIT.15 SOIL • FORMATION OF SOIL	
October	UNIT.15 SOIL • SOIL PROFILE • COMPOSITION OF SOIL • TYPE OF SOIL • SOIL AND CROPS	COLLECT • SAMPLES OF DIFFERENT SOIL • DRAW LABELLED DIAGRAM OF SOIL PROFILE
November	• PROPERTIES OF SOIL • SOIL CONTAIN AIR/WATER • SOIL EROSION – CAUSE AND EFFECT • SOIL POLLUTION • PERCOLATION OF WATER	
December	UNIT.19 WASTE WATER MANAGEMENT • SEWAGE • COMPOSITION OF SEWAGE • SEWAGE TREATMENT • WASTE WATER TREATMENT PLANT	DRAW • LABELLED DIAGRAM OF WASTE WATER TREATMENT PLANT • ON SITE SEWAGE DISPOSAL SYSTEM
January	• SANITATION AND DISEASES • ALTERNATIVE ARRANGEMENT OF SEWAGE DISPOSAL • GOOD HOUSE KEEPING PRACTICES	
February	• SANITATION AT PUBLIC PLACES UNIT. 8, 9, 15 AND 19 REVISION	
March	ANNUAL EXAMINATION	

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SUB – **BIOLOGY**

Prescribed Books

1. New Learning Science

2. Science Lab Manual

Publisher

Frank Edu

Horizon

<u>Months</u>	<u>Chapter/Topic to be covered</u>	<u>Activity/Project/Practical</u>
April	L.1 NUTRITION IN PLANTS • MODE OF NUTRITION – AUTO TROPHIC , HETEROTROPHIC, SAPROTROPHIC • PHOTOSYNTHESIS	ACTIVITY • NEED OF CO ₂ GAS FOR PHOTOSYNTHESIS • NEED OF LIGHT FOR PHOTOSYNTHESIS • NEED OF CHLOROPHYZ FOR PHOTOSYNTHESIS
May	L.2 NUTRITION IN ANIMALS • MODE OF NUTRITION – HERBIVORES, CARNIVORES, OMNIVORES	• EFFCT OF SALIIVA ON STARCH
June	• HOLOZOIC AND PARASIIC NUTIRTION • HUMAN DIGESTIVE SYSTEM • NUTRITION IN RUMINENTS	• LABELLED DIAGRAM → RUMINATS
July	L.10 ANIMAL FIBRE • REARING OF SHEEP FOR WOOL • SERICULTURE	ACTIVITY • TO DIFERENTIATE NATURAL FIBRE FROM ARTIFICIAL FIBRE
August	L.4 RESPIRATION IN ORGANISM • BREATHING AND RESPIRATION (MACHANISM) • AEROBIC AND ANAEROBIC RESPIRATION • EXCHANGE OF GASES IN ANIMALS/PLANTS	ACTIVITY • HEAT AND CO ₂ GAS RELEASED DURING RESPIRATION
September	L.1, 2, 10 AND 4 REVISION L.3 TRANSPORT AND EXCRETION • TRANSPORT OF MATERIAL IN PLANT/ANIMALS • CIRCULATORY SYSTEM IN HUMAN • EXCETION IN ANIMAL AND IN PLANT	ACTIVITY • PULSE RATE • HEART-BEAT
October	L.5 REPRODUCTION IN PLANT • SEXUAL/ASEXUAL REPRODUCTION • DISPERSAL/GERMINATION OF SEEDS	• COMPARISION OF WIND POLLINATED AND INSECT POLLINATED FLOWERS
November	• STUDY FOR THE PARTS OF A POWER • POLLINATION/AGENTS OF POLLINATION • VEGETATIVE PROPAGATION	
December	L.6 CLIMATE AND ADAPTATION • FACTORS OF CLIMATE • ADAPTATION – REASON AND IMPORTANCE • HIBERNATION •AESTIVATION • CAMOUFLAGE	• GRAPHICAL REPRESENTATION OF FACTORS OF CLIMATE
January	L.16 FOREST • IMPORTANCE OF FOREST • INTERDEPENDENCE OF PLANT AND ANIMAL • FOOD CHAIN • DEFORESTATION – REASONS AND CONSEQUENCES AFFORESTATION – CONSISTANCE OF LIFE	• DETAILED DESCRIPTION OF A FOREST IN INDIA • PROJECT ON ANY WILDLIFE SANCTURARY / NATIONAL PARK (LOCATION, TYPE OF TREE / ANIMAL CLIMATIC CONDITION AND PHYSICAL FEATURES)
February	REVISION – L.1, 6, 4, 3, 5 AND 16	
March	ANNUAL EXAMINATION	

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STD – VII

SUB – Hindi

Bee's Hindi पाठमाला

व्याकरण – आओ व्याकरण सीखें।

मास	पाठ का नाम	परियोजना कार्य
अप्रैल	पाठ – 1 पहली बूंद (कविता) पाठ – 2 सोने की कढ़ी (कहानी) पाठ – 3 राख की रस्सी (कहानी) व्याकरण – भाषा, लिपि और व्याकरण, वर्ण विचार, शब्द विचार	
मई	पाठ – 4 भुवनेश्वर (लेख) पाठ – 5 खिलौने वाला (कविता) व्याकरण – अनेकार्थी शब्द, समानार्थी शब्द, श्रुति समभिन्नार्थक शब्द, अनेक शब्दों के लिए एक शब्द	भारत की प्रमुख नदियों के नाम लिखकर विषय में लिखें।
जून	पाठ – 6 रूपये की आत्मकथा (आत्मकथा) व्याकरण – संज्ञा, उपसर्ग, प्रत्यय, सर्वनाम	
जुलाई	पाठ – 7 मेहनत रंग लाई (हास्य व्यंग्य) पाठ – 8 दिन और रात (प्रत्येक प्रसंग) पाठ – 9 गिल्लू (संस्मरण) व्याकरण – पत्र (औपचारिक), निबंध	
अगस्त	पाठ – 10 माँ कह एक कहानी (कविता) पाठ – 11 एक दिन की बादशाहत (कहानी)	
सितम्बर	पुनरावृत्ति + अर्द्धवार्षिक परीक्षा	
अक्टूबर	पाठ – 12 नेताजी सुभाष चंद्र बोस (जीवनी) पाठ – 13 बुद्धिमान की परीक्षा (कहानी) व्याकरण – विशेषण, अविकारी शब्द, मुहावरे	भारत के स्वतंत्रता सेनानियों के विषय में लिखें।
नवम्बर	पाठ – 14 मीरा के पद (पद) पाठ – 15 अनमोल भेंट (कहानी) व्याकरण – विराम चिन्ह, पत्र (अनौपचारिक)	
दिसम्बर	पाठ – 16 डाकिए की कहानी स्वयं उसकी जबानी (साक्षात्कार) पाठ – 17 निन्द्यानते का फेर (लोककथा) व्याकरण – निबंध, अनेकार्थी शब्द, विलोम शब्द, समरूपी भिन्नार्थक शब्द, अनेक शब्दों के लिए एक शब्द	भारत में किन-किन वैज्ञानिकों को नोबेल पुरस्कार मिला है। उनकी सूची तैयार करें।
जनवरी	पाठ – 18 तोड़ती पत्थर (कविता) व्याकरण – उपसर्ग, प्रत्यय, अपठित गद्यांश, संधि (सामान्य परिचय)	
फरवरी	पुनरावृत्ति पाठ, व्याकरण – औपचारिक पत्र, सर्वनाम	
मार्च	वार्षिक परीक्षा	

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STD – VII

SUB – SOCIAL SCIENCE

Prescribed Book

Publisher

Social Invention (7)

Timex

Mapping the word

Acevision

<u>Months</u>	<u>Chapters to be covered</u>	<u>Breakup of Periodic Assignments</u>	<u>Activity/Project</u>
April	<u>History</u> Ch.1 The Medieval Period <u>Geography</u> Ch.1 Our environment Ch.2 The Earth's Surface <u>Civics</u> Ch.1 Democracy	T1	Practice of Map Skill book Complete Learning Time Q. No. – B, Page No. -105
May	<u>History</u> Ch.2 Regional Kingdoms I <u>Geography</u> Ch.2 The Earth's Surface Ch.3 The Motions of Earth <u>Civics</u> Ch.2 Democratic in Action	T1	Prepare project on 'Movements of the Earth'
June	<u>History</u> Ch.3 The Delhi Sultanate <u>Geography</u> Ch.3 The Motions of Earth <u>Civics</u> Ch.2 Democratic in Action	T1	Prepare Learning Time Q. No. – A, Page No. – 29 Prepare a project (Learning Time) Q. No. – A, Page No. – 111 Practice of Map Skill book
July	<u>History</u> Ch.4 Regional Kingdom II <u>Geography</u> Ch.4 Facts about the Atmosphere <u>Civics</u> Ch.3 Government in the States	T2	Complete Learning Time – Q. No. – A, Page No. – 6 (History) Learning Time – Q. No. – B, Page No. – 116 Learning Time – Q. No. - A, Page No. - 180
August	<u>History</u> Ch.5 The Mughals <u>Geography</u> Ch.5 Weather and Climate <u>Civics</u> Ch.4 Media and Government	T2	Practice of Map Skill book
September	Revision and Half Yearly Examination		
October	<u>History</u> Ch.6 Architecture as Power-Forts and Sacred Places <u>Geography</u> Ch.6 Water <u>Civics</u> Ch.5 Advertising	T3	Prepare Learning Time Q. No. – 1, Page No. – 55 Learning Time – Q. No. – A, Page No. - 190
November	<u>History</u> Ch.7 Town Traders and Craftsman Ch.8 The Tribal Communities <u>Geography</u> Ch.7 Natural vegetation and wildlife <u>Civics</u> Ch.6 Equality in Gender	T3	Learning Time – Q. No. – A, page No. – 139 Learning Time – Q. No. – B, Page No. – 195

December	<u>History</u> Ch.9 Popular Beliefs and Religious Debates <u>Geography</u> Ch.8 Human Environment Settlement, Transport and Communication <u>Civics</u> Ch.7 Markets around us	T4	Practice of Map Skill book Prepare project on 'Transport and Communication'
January	<u>History</u> Ch.10 The growth of Regional cultures <u>Geography</u> Ch.9 Human – Environment Interaction <u>Civics</u> Ch.7 Markets around us	T4	Complete Map Work of Learning Time Q. No. – A, Page No. – 83 Learning Time Q. No. – A, Page No. – 152
February	<u>History</u> Ch.11 The Eighteenth Century <u>Geography</u> Ch.10 Temperature Grassland Ch.11 Deserts <u>Civics</u> Revision		Learning Time – Q. No. – A, Page No. – 162
March	Annual Examination		
Notes : Annual Exam Portion : Annual Portion i.e. syllabus from Oct – Feb and 20% from Half yearly Portion. History – Mughal Empire Geography – Earth Interior Civics – State Government			

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STD – VII

SUB – Sanskrit

प्रस्तावित पुस्तक – संस्कृतवाणी

प्रकाशक – Acevision

मास	पाठ का नाम
अप्रैल	पाठ – 1 कालतेव विद्या पाठ – 2 संहति: कार्यसाधिका पाठ – 3 अस्माकं प्रिया: पादपा: व्याकरणम् – वर्ण विचार: उच्चारण स्थान,
मई	पाठ – 4 उपसर्ग परिचय: व्याकरणम् – वर्ण विन्यास, वर्ण संयोजन
जून	पाठ – 5 गीतानवनीतम् पाठ – 6 वार्तालाप: व्याकरणम् – शब्द रूप – देव, रमा, मित्र, अव्यय शब्द
जुलाई	पाठ – 7 बुद्धिर्यस्य बलं तस्य पाठ – 8 शिक्षाप्रदा: सूक्तय: व्याकरणम् – धातु रूप – पठ, खाद, भू, नम (लट् तथा लृट् लकार में)
अगस्त	संवाद लेखन, चित्र वर्णन, अपठित गद्यांश
सितम्बर	पाठ – 9 स्वच्छ भारतम् व्याकरण – “तत” शब्द रूप (तीनों लिंगों में) उपसर्गाः, समय लेखन, “किम्” शब्द रूप (तीनों लिंगों में) पुनरावृत्ति, अर्द्धवार्षिक परीक्षा
अक्टूबर	पाठ – 10 सुभाषितानि पाठ – 11 देवतात्मा हिमालय: व्याकरण – कृ, अस (लड., लोट लकार) शब्द रूप – नदी, मुनि, तत्, किम्
नवम्बर	पाठ – 12 त्रहतुराजः वसन्तः पाठ – 13 वाराणसीमाहात्म्यम् पाठ – 14 नीतिवचनानि व्याकरणम् – अपठित गद्यांश, उपपद विभक्ति, नम, सह, परितः, अभितः, अलम्, भी, बहिः।
दिसम्बर	पाठ – 15 प्रत्ययाः (क्त्वा, ल्यप् तुमुन्) पाठ – 16 प्राञ्जला संस्कृतभाषा पाठ – 17 महान खगोलवैज्ञानिकः आर्यभट्टः व्याकरणम् – अव्यय, समय लेखन, विशेषण-विशेष्यम्
जनवरी	पाठ – 18 प्रहेलिका: पाठ – 19 अस्माकं देशः पाठ – 20 विद्यालय वार्षिकोत्सवः व्याकरणम् – संवाद, संख्या – 1-50 धातुरूप – पठ, खाद, भू, नम, कृ अस् दृश, (लट्, लृट्, लंग तथा लोट लकार में)
फरवरी	पाठ – 21 सर्वगुणाः काञ्चनमाश्रयन्ति व्याकरण – पुनरावृत्ति
मार्च	वार्षिक परीक्षा

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STD – VII

SUB – Computer

Prescribed Book : Computer World

Publisher : Modest

Month	Unit No/Title	Content	Project /Assignment
April	Chapter - 1 Computers through Ages	<ul style="list-style-type: none"> • Advancement of automation in computing devices. • Mechanical computers to electronic computers. • Use of vaccum tubes and transistors in computers. 	
May	Chapter - 1 Computers through Ages	<ul style="list-style-type: none"> • Use of integrated circuits with many transistors • Use of micro processors invented at Intel in 1971. • To know about early computers such as Mark I, ENIAC, UNIVAG etc. • To know about different types of computers and computer generations. 	
June	Chapter – 2 Computer Software	<ul style="list-style-type: none"> • To know about various types of software. • To know about system software. • To know about application software. 	
July	Chapter – 2 Computer Software	<ul style="list-style-type: none"> • To know about operating systems. • To know about language translators. • To know about utility software. 	
August	Chapter – 3 Inserting table in MS Word	<ul style="list-style-type: none"> • To lean creating or inserting tables in MS Word. • To know how to change or modify a table. • To know how to edit or format a table. 	<ul style="list-style-type: none"> • Creating Main Document. • Creating Data Source. • Merging Main document and the data source.
September	Chapter – 3 Inserting table in MS Word Chapter – 4 Ms Word – Mail Merge	<ul style="list-style-type: none"> • To know how to calculate in a table. • To know how to add borders and shades in a table. • To know about Mail Merge. • Creating data source. • Creating new main document. 	
October	Chapter – 4 Ms Word – Mail Merge	<ul style="list-style-type: none"> • Adding a merge field in the main document. • Merging the data source and the main document. • Inserting header and footers. • Inserting foot notes. 	<ul style="list-style-type: none"> • Inserting foot notes.
November	Chapter – 5 Chapter - 6	<ul style="list-style-type: none"> • A review of excel. • Editing cell content. • Changing column width. • Naming range • Simple formatting Managing Data in MS Excel 	Changing and Deleting Range Names.
December	Chapter – 7 Chapter – 8	Editing a Worksheet MS Power Point	

January	Chapter – 9 Chapter – 10	More on Q. Basic Virus	
February	Chapter – 11	More on Internet & Revision	
March	Annual Examination		