

2022



SYLLABUS

7TH STANDARD

INTERNATIONAL DELHI PUBLIC SCHOOL NAGBAL SHOPIAN

SUBJECT : ENGLISH

T1- Contents	U-III Contents	T-II Contents
<ul style="list-style-type: none"> • <i>A Laugh Riot (P-44)</i> • <i>Henry : A hameleon (P-45)</i> • <i>Packing for the Journey (P-51)</i> • <i>Foolish Questions (P-61)</i> • <i>One wordl (P-67)</i> • <i>One Earth to one world (P-68)</i> • <i>The Stranger (P-74)</i> • <i>Where the Mind is without Fear (P-82)</i> <p>ENRICHMENT ACTIVITIES/ BOOK WORK</p> <ul style="list-style-type: none"> • <i>Words in use – Vocabulary in context</i> • <i>Using expression confusing words (P-49)</i> 	<ul style="list-style-type: none"> • <i>Hello, Mr. Ghost (P-85)</i> • <i>Sir Hawley’s lowley</i> • <i>The Ghost of Christmas yet to come (P-86)</i> • <i>The Little green orchard (P-100)</i> <p>Enrichment Activities / Bookwork</p> <ul style="list-style-type: none"> • <i>Words in use</i> • <i>Understanding, expressions and phrases</i> • <i>Writing – (P-98)</i> • <i>An Informal letter</i> • <i>Listening and speaking</i> • <i>Talk to your partner (P-99)</i> • <i>Life skills – creative thinking (P-102)</i> 	<ul style="list-style-type: none"> • <i>Building Bridges (P-103)</i> • <i>Apologize! (P-104)</i> • <i>On Being sarah (P-109)</i> • <i>The English lesson (P-116)</i> • <i>Pictures of the past (P-121)</i> <p>Salim and Tansen (P-127) The Fabulous, Fabled silk road (P-139) MahabaliPuram (127)</p> <p>ENRICHMENT Activities/ Bookwork</p> <ul style="list-style-type: none"> • <i>Word in use (P-107)</i> • <i>Writing –P-114)</i>

SUBJECT: SCIENCE**Examination : T1**

Examination : T1		
S.No.	Name of Chapter	Activities
01.	Heat and its effects: <ul style="list-style-type: none">→ Book reading→ Textual exercise→ New facts→ Definitions of new terms	Warm-up Activity <ul style="list-style-type: none">→ Opening metallic lid by heating Other Activities: <ul style="list-style-type: none">→ Measuring temperature of hot water→ Measuring body temperature→ Making a gas thermometer.
02.	Acids, Bases and Salts: <ul style="list-style-type: none">→ Book reading→ Textual exercise→ New facts→ Definitions of new terms	Warm-up Activity <ul style="list-style-type: none">→ Litmus paper test→ Making your own indicators.→ Hydrophobic and hydrophilic interactions.→ Safety in Chemistry Lab.
03.	Transportation of Materials in plants and animals: <ul style="list-style-type: none">→ Book reading→ Textual exercise→ New facts→ Definitions of new terms	Warm-up Activity <ul style="list-style-type: none">→ Flower colouring activity Other Activity <ul style="list-style-type: none">→ Study of osmosis→ Transport of food and water→ Transpiration and leaves→ Research on blood groups and blood transfusion.
04.	Electric current and its effects: <ul style="list-style-type: none">→ Book reading→ Textual exercise→ New facts→ Definitions of new terms	Warm-up Activity <ul style="list-style-type: none">→ Making circuit Other Activity <ul style="list-style-type: none">→ Production of magnetic effect→ Making electro magnet→ Strength of electromagnet .
05.	Water – A natural resources <ul style="list-style-type: none">→ Book reading→ Textual exercise→ New facts→ Definitions of new terms	Warm-up Activity <ul style="list-style-type: none">→ List of natural resource Other Activity <ul style="list-style-type: none">→ Research on Ranjendra Singh and NGO Tarun Bharat Sangh.

Examination : U3

S.No.	Name of Chapter	Activities
01.	Soil: → Book reading → Textual exercise → New facts → Definitions of new terms	Warm-up Activity → Soil sample collection Other Activities: → Studying texture of soil → Research on types of soil in India → Erosion of soil
02.	Reproduction in Plants → Book reading → Textual exercise → New facts → Definitions of new terms	Warm-up Activity → Studying potato buds Other Activities: → Studying budding in yeast → Vegetative reproduction in onion → Dying process → Growing plant by cutting → Contributing to kitchen budget.
03.	Motion and time : → Book reading → Textual exercise → New facts → Definitions of new terms	Warm-up Activity → Measuring different quantities Other Activities: → Time period of simple pendulum → Atomic clocks → Graph study → Research on Galileo Galilei → Time management
04.	Our forests: → Book reading → Textual exercise → New facts → Definitions of new terms	Warm-up Activity → “Study of nearby forests. Other Activities: → Eco club → Beyond classroom trip

Examination : T2

S.No.	Name of Chapter	Activities
01.	Animal fibres: → Book reading	Warm-up Activity → List of animal fibres Other Activities:

	<ul style="list-style-type: none"> → Textual exercise → New facts → Definitions of new terms 	<ul style="list-style-type: none"> → Differentiation of natural silk and wool from artificial or synthetic fibres → Research on sheep and wool production. → Handloom exhibition
02.	<p>Wind, storms and cyclones:</p> <ul style="list-style-type: none"> → Book reading → Textual exercise → New facts → Definitions of new terms 	<p>Warm-up Activity</p> <ul style="list-style-type: none"> → Destruction by wind, storm or cyclones in history <p>Other Activities:</p> <ul style="list-style-type: none"> → Studying power of air pressure → Reduction of air pressure → Air expansion and contraction → Making an anemometer
03.	<p>Light :</p> <ul style="list-style-type: none"> → Book reading → Textual exercise → New facts → Definitions of new terms 	<p>Warm-up Activity</p> <ul style="list-style-type: none"> → “Observing beam of light from projector. <p>Other Activities:</p> <ul style="list-style-type: none"> → Rectilinear propagation of light → Nature of image formed by a plane mirror → Location of virtual image → Image formed by concave mirror → Making Galilean telescope
04.	<p>Flow of Heat:</p> <ul style="list-style-type: none"> → Book reading → Textual exercise → New facts → Definitions of new terms 	<p>Warm-up Activity</p> <ul style="list-style-type: none"> → Studying flow of heat through rod. <p>Other Activities:</p> <ul style="list-style-type: none"> → Showing process of conduction. → Observation of dark coloured object → Estimating boiling point
05.	<p>Wastewater management:</p> <ul style="list-style-type: none"> → Book reading → Textual exercise → New facts 	<p>Warm-up Activity</p> <ul style="list-style-type: none"> → Calculating/estimating waste water <p>Other Activities:</p>

	→ Definitions of new terms	→ Stomach – survival strategies on a trip → 2005 Mumbai floods.
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SUBJECT : MATHEMATICS

TERM - I	
<p>Chapter-6 Algebraic Expression</p> <ul style="list-style-type: none"> → Introduction → Types of Algebraic expression → Degree of polynomial → Addition and subtraction of algebraic expression → Finding value of algebraic expression 	<ul style="list-style-type: none"> → $a^m \times a^n = a^{m+n}$ → (When bases are same in case of multiplication powers get added) → $\frac{a^m}{a^n} = a^{m-n}$ <i>(in case of division, when bases are same powers gets subtracted)</i>
<p>Chapter-7 Simple Linear Equations</p> <ul style="list-style-type: none"> → Equations → Root and solution of an equation. → Solving an equation. → Solution to equation. → Application of simple equation. 	
<p>Chapter-8 Comparing Quantities</p> <ul style="list-style-type: none"> → Ratio → Proportion 	<p>S.I. Principal x Rate x Time</p> <ul style="list-style-type: none"> → Volume of cuboid = (Length x breadth x height)

<ul style="list-style-type: none"> → Unitary method → Percentage and its applications → Profit and loss → Simple interest 	<ul style="list-style-type: none"> → Cubic Units
<p>Chapter-9 Lines and Angles</p> <ul style="list-style-type: none"> → Special pair of angles 	<ul style="list-style-type: none"> → Surface area of cuboid → $2(\text{length breadth} + \text{Breadth height} + \text{Length Height})$ square units.
<p>Chapter-10 Properties of triangle</p> <ul style="list-style-type: none"> → Triangle → Medians of a triangle → Altitude, properties of triangle → Special triangle → Right angled triangle and Pythagoras theorem 	<ul style="list-style-type: none"> →
<p style="text-align: center;">Unit-III</p> <p style="text-align: center;">Chapter-11 Symmetry</p>	
<ul style="list-style-type: none"> → Types of symmetry → (Translation, reflection, Rotational) 	<ul style="list-style-type: none"> → Volume of cylinder = $\pi r^2 h$ cubic units → Curved surface area = $2\pi r h$ sq. units
<p>Chapter-12 Visualizing solid shapes</p> <ul style="list-style-type: none"> → Faces, ridges and vertices in 3D → Visual ling and drawing solid shapes 	<ul style="list-style-type: none"> → Total surface area = $2\pi r u(h+r)$)Volume of cube = a^3 (side=a) → Surface area of cube = $6a^2$ sq.units

→ Viewing different sections of a solid	
Chapter -13 Congruence of triangle	→ Surface area of cube = $6a^2$ square
→ confluence through superposition, congruence of triangle and quadrilaterals	→
Term-II Chapter-14 Constructions	→
Construction of parallel lines and triangles	→
Chapter-15 Perimeter and Area	→
→ Perimeter → Area of parallelogram, triangle, circle_ → Applications in real life	→
Chapter-16 Data Handling → Collection of data → Organizing of date → Central tendency → Bar graphs → Probability	→ 1m = 1000m → 1 kilometer = 1000 meters → 1 decameter = 10m → 1 hectometer = 100m → 1 decimeter = 1/10m → 1 millimeter = 1/1000 m

SUBJECT: SOCIAL SCIENCE.

TERM-I	
Name of the chapter	Activity
(i) Towns, traders and crafts people (ii) Tribal and Nomadic communities (iii) The Atmosphere (iv) The Hydrosphere (v) How do state Governments work?	(i) Any handicraft making activity as desired by students. (ii) A field trip, showing soil erosion. (iii) Anemometer making activity using disposable glasses. (iv) Water-cycle activity by using evaporation and condensation technique. (v) Gravitational force activity using a powerful magnet and paper
U-III	
Name of the chapter	Activity
(i) Religious Beliefs and popular movements. (ii) Human settlements and transport and communication (iii) Role of state Government in Distribution of Resources (iv) Emerging Regional Cultures.	(i) Chart making activity showing major religions of the world, their important symbols, books and founders (ii) Boat making activity to show water transport (iii) A seminar on means of communication – advantages and disadvantages

	(iv) A seminar on-right to information act.
TERM-II	
Name of the chapter	Activity
(i) New political formation in 18 th century	(i) Map drawing activity showing major political powers in 18 th Century
(ii) Life in Desert Regions.	(ii) Making of Forest ecosystem using sand and other forest plants and trees and animals.
(iii) Life in Tropical and sub tropical regions	(iii) An activity showing elections and government formation.
(iv) Understanding Media Role of Gender	(iv) Seminar on 'Role of Media' in present day world.
(v) Market Around us	(v) Seminar on gender based issued.

SUBJECT: COMPUTER

T1 Contents

1. Excel as database

- a. Data forms in Excel
- b. Creating a data form
- c. Sorting data in a worksheet
- d. Filtering data in a worksheet
- e. Advanced filters
- f. Analyzing data with pivot table

2. Computer virus

- a. Virus symptoms
- b. Types of computer viruses
- c. Antivirus software
- d. Using an antivirus software

U3 Contents

3. Conditional and looping statements in QB64

- a. Conditional statements
- b. Looping statements

4. Understanding HTML

- a. Starting HTML
- b. Structure of HTML document
- c. Creating saving and viewing a HTML document
- d. HTML attributes
- e. Font tags

T2 Contents

5. Number system

- a. Decimal number system
- b. Binary number system
- c. Octal number system
- d. Hexadecimal number system
- e. Computer arithmetic

6. Graphics in QB64

- a. Graphic commands
- b. Creating sound in QB64

7. Working with flash CS6

- a. Creating shapes with flash drawing tools
- b. Editing and scaling objects
- c. Rotating, skewing and flipping objects
- d. Modifying fills and strokes
- e. Creating gradients
- f. Modifying or transforming gradients
- g. Shape tween on a text

8. Layers in Flash CS6

- a. Working with layers
- b. Creating on animation with layers
- c. Mask layer in Adobe Flash CS6
- d. Onion skin feature

SUBJECT: GENERAL KNOWLEDGE

Term – I	PG.NO
1. Branches of Science	28
2. Codes	29
3. Brain teasers	30
4. Non-Verbal reasoning	31
5. Think before you answer	32
6. Indian film awards	34
7. The Oscar goes to	36
8. The world of Harry Potter	38
9. The better thing to do	40
10. Keeping Fit with Yoga	41
11. Dos and Don'ts while eating	44
UNIT-III	
12. Art and Painting of India	49
13. Government of India	50
14. Temples of India	52
15. Indian under British rule	53
16. History of Indian	55
17. IPL Stars	56
18. Swimming	58
19. Cricket world cups	59
20. Winter Olympics	60
21. Indian Words in English	63

22.	Simple to compound	64
23.	Confusing words	65
24.	Gerunds and infinitives	66
25.	Prepositions	67
26.	Nutrition in Plants	68
Term -II		
27.	Plants	69
28.	Animal Quiz	70
29.	Great explores	71
30.	The Noble Prize	73
31.	The scare of pollution	75
32.	Interesting inventors	77
33.	Time and Motion	78
34.	Indian Scientist	79
35.	Science mixed bag	80
36.	Mental exercise	81
37.	Brain Game	83
38.	Work it out	84
39.	Indian Authors	85
40.	Great Composers	86
41.	All the world is a stage	88
42.	First Aid	90
43.	Earth Quake Survival	91
44.	Tips for better writing	92
45.	Communication skills	94
46.	Child Safety	95



SUBJECT: URDU

TERM I Exam.

1- اپنی کتاب تعمیر اردو گرائمر فعل اور اُس کی قسمیں صفحہ نمبر 33/ (فعل لازم) (فعل

متعدی) (ناقص)

2- بناوٹ کے لحاظ سے۔ (مفرد) (مرکب)

3- فاعل کے لحاظ سے۔ (معروف) (مجہول)

4- زمانے کے لحاظ سے۔ (حال) (ماضی) (مستقبل) (مضارع) (امر) (نہی)

4- متفرق/الفاظ صفحہ نمبر 77/- اپنی کتاب تعمیر اردو گرائمر۔ آٹھارہ سے پچیس تک متفرق

الفاظ

5- مترادفات صفحہ نمبر۔ 81/ اپنی کتاب تعمیر اردو گرائمر۔ اُنیس سے تیس تک مترادفات

الفاظ

6- متضاد الفاظ صفحہ نمبر۔ 83 اپنی کتاب تعمیر اردو گرائمر۔ بیس سے تیس تک متضاد الفاظ

7- واحد جمع۔ صفحہ نمبر 52۔ اپنی کتاب تعمیر اردو گرائمر ستر سے سو تک واحد جمع الفاظ

8۔۔ محاورات اور ان کا استعمال صفحہ نمبر۔۔ 86 / اپنی کتاب تعمیر اردو گرائمر بارہ سے چوبیس تک

9۔ اسموں کی تذکیر و تائید اپنی کتاب تعمیر اردو گرائمر /۔۔ سولہ سے بیس تک مذکر مؤنث

10۔۔ مضمون۔۔ سائنس کے فوائد

11۔۔ پرنسپل صاحب کے نام درخواست لائبریری اور لیبارٹری کی بہتری کے لیے

12۔ صفت اور اسکی قسمیں۔ صفحہ نمبر 63 / (صفت ذاتی) (صفت نسبتی) (صفت

مقدری) (صفت عددی)

. اپنی کتاب تعمیر اردو / اسباق میں سے۔۔۔۔۔ پر ندون کا بادشاہ۔۔۔۔۔ شہد

۔۔۔۔۔ ہمارے ناز کھلاڑی۔ کشمیر میں موسم بہار "نظم" گلشن خٹائی بابا (مؤلف)

Ulll Exam

4۔ متفرق الفاظ صفحہ نمبر 77 /۔۔ اپنی کتاب تعمیر اردو گرائمر۔ پچیس سے چوبیس تک متفرق

الفاظ

5-- مترادفات صفحہ نمبر-- 81/ اپنی کتاب تعمیر اردو گرائمر۔ تیس سے چالیس تک مترادفات

الفاظ

6-- متضاد الفاظ صفحہ نمبر-- 83 اپنی کتاب تعمیر اردو گرائمر۔ تیس سے چالیس تک متضاد الفاظ

7-- واحد جمع-- صفحہ نمبر 52-- اپنی کتاب تعمیر اردو گرائمر سو سے ایک سو تیس تک واحد جمع

الفاظ

8-- محاورات اور ان کا استعمال صفحہ نمبر-- 86/ اپنی کتاب تعمیر اردو گرائمر چوبیس سے پینتیس

تک.

9- اسموں کی تذکیر و تانیث اپنی کتاب تعمیر اردو گرائمر /- بتیس سے پچاس تک مذکر مؤنث

10-- مضمون-- (محمد ﷺ)۔ (پریم چند)۔ (حصولِ علم کی اہمیت)

11- درخواست-- ایک دن کی چھٹی پر اپنے پرنسپل صاحب کے نام ایک درخواست

لکھیے

12- اسم ضمیر اور اسکی قسمیں۔ صفحہ نمبر 57/ (اسم ضمیر) (ضمیر شخصی) (ضمیر

استفہامیہ) (ضمیر اشارہ) تعریفیں کرو اور مثالیں بھی دو

13- اپنی کتاب تعمیر اردو گرائمر۔ غلط جملوں کی درستی صفحہ نمبر 95/ ایک سے لیکر دس

تک۔

14- اپنی کتاب تعمیر اردو۔ اسباق میں سے۔۔ 1 گم کردہ میراث کی بازیابی۔۔۔ 2

بہادر بنو 3 جوان مرد بن جا۔۔ کایت بوستان سعدی²۔ سید الانبیاء حضرت مصطفیٰ ﷺ

-

15- مضمون۔ حضرت ابو بکر صدیق / کرشن چند

16- ایک کرشن جانے کے لیے اپنے پرنسپل صاحب کے نام ایک درخواست لکھیے

TERM II Exam

1- اسم معرفہ کی قسمیں صفحہ نمبر /11- (اسم علم) (اسم ضمیر) (اسم اشارہ) (اسم

موصول)

2- اسم کی قسمیں صفحہ نمبر 8/- (اسم نکرہ) (اسم معرفہ)۔

4 متفرق/الفاظ صفحہ نمبر 77/- اپنی کتاب تعمیر اردو گرائمر۔ چونتیس سے چالیس تک متفرق

الفاظ

5۔۔ مترادفات صفحہ نمبر۔۔ 81/ اپنی کتاب تعمیر اردو گرائمر۔ چالیس سے پچاس تک مترادفات

الفاظ

6۔۔ متضادالفاظ صفحہ نمبر۔۔ 83/ اپنی کتاب تعمیر اردو گرائمر۔ چالیس سے پچاس تک متضادالفاظ

7۔۔ واحد جمع۔۔ صفحہ نمبر 52۔۔ اپنی کتاب تعمیر اردو گرائمر ایک سو تیس سے آخر تک واحد جمع

الفاظ

8۔۔ محاورات اور ان کا استعمال صفحہ نمبر۔۔ 86/ اپنی کتاب تعمیر اردو گرائمر پینتیس

سے پینتالیس تک۔

9۔ اسموں کی تذکیر و تانیث اپنی کتاب تعمیر اردو گرائمر/- پچاس سے ستر تک مذکر مؤنث

10۔۔ مضمون۔۔ (محمد ﷺ)۔ (پریم چند)۔ (حصولِ علم کی اہمیت)

11- درخواست۔ اپنے پرنسپل صاحب کو فیس معاف کرنے کے لیے ایک درخواست

لکھیے

12- دوست کے نام گرمیوں کی چھٹیاں اپنے ساتھ کشمیر میں گزارنے کا خط لکھیے

اپنی کتاب تعمیر اردو اسباق میں سے۔۔ رباعیات نظم میر انیس

مولانا ابوالکلام آزاد۔۔۔۔۔ جھیل ولر۔۔۔۔۔ ہمارے مذہبی تہوار۔۔۔۔۔ جارج واشنگٹن

