

2022



# SYLLABUS

**6TH STANDARD**

*INTERNATIONAL DELHI PUBLIC SCHOOL NAGBAL SHOPIAN*

## **SUBJECT : SCIENCE**

<b>EXAMINATION – T1</b>		
<b>S.NO.</b>	<b>NAME OF THE CHAPTER</b>	<b>ACTIVITY</b>
01.	<b>Sorting Material into group:</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “Classifying things”  <b>Other Activities</b> → Research on Kanada → Studying density of solutions → Research on John Dalton.
02.	<b>Getting to know Plants</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “Observing differences in plants”  <b>Other Activities</b> → Transport of water through stem → Attributes of leaves → Transpiration → Other leaf functions.
03.	<b>Electricity and circuits:</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “Torch observation”  <b>Other Activities</b> → Making simple torch → Testing substances. → Semiconductor (research) → Research on Michael faraday → Making magnet
04.	<b>Air Around us:</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “Observing dust in air/H <sub>2</sub> O vapours”  <b>Other Activities</b> → Air occupies space → Test for O <sub>2</sub> presence in air → Pin wheel making

		→ Research on earthworm, cockroach, frog, tadpole.
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**EXAMINATION – U3**

<b>S.NO.</b>	<b>NAME OF THE CHAPTER</b>	<b>ACTIVITY</b>
01.	<b>Separation of substances:</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “Separation of sand from other things”  <b>Other Activities</b> → Separation of mixtures by sedimentation/decantation and filtration → Separation of salt by evaporation → Research on emulsions.
02.	<b>Changes Around us :</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “Changes in environment”  <b>Other Activities</b> → Reaction between washing soda and lemon juice → Research on photochemistry → Rusting of iron nails.
03.	<b>The Body and its movement :</b> → Book reading → New facts → Definitions → Textual exercise	<b>Warm up activity:</b> → “List of unicellular organisms”  <b>Other Activities</b> → Feeling Skelton → Research on Rheumatoid arthritis. → Fish skeleton observation.

**EXAMINATION – T2**

<b>S.NO.</b>	<b>NAME OF THE CHAPTER</b>	<b>ACTIVITY</b>
01.	<b>Living organisms and their surroundings:</b> → Book reading → New facts	<b>Warm up activity:</b> → Compare environments of different living organisms.  <b>Other Activities</b>

	<ul style="list-style-type: none"> <li>→ Definitions</li> <li>→ Textual exercise</li> </ul>	<ul style="list-style-type: none"> <li>→ Research on Aeroponics</li> <li>→ Aquarium setting activity</li> <li>→ Field trip.</li> </ul>
02.	<p><b>Measurement and motion:</b></p> <ul style="list-style-type: none"> <li>→ Book reading</li> <li>→ New facts</li> <li>→ Definitions</li> <li>→ Textual exercise</li> </ul>	<p><b>Warm up activity:</b></p> <ul style="list-style-type: none"> <li>→ Measuring girth and length.</li> </ul> <p><b>Other Activities</b></p> <ul style="list-style-type: none"> <li>→ Research on NPL and Andres Angstrom</li> <li>→ Research on Samrat Yantra and Jantar Mantar</li> </ul>
03.	<p><b>Fun with magnets:</b></p> <ul style="list-style-type: none"> <li>→ Book reading</li> <li>→ New facts</li> <li>→ Definitions</li> <li>→ Textual exercise</li> </ul>	<p><b>Warm up activity:</b></p> <ul style="list-style-type: none"> <li>→ Observing different material for repulsive magnetic attraction.</li> </ul> <p><b>Other Activities</b></p> <ul style="list-style-type: none"> <li>→ Research on Aurora and electro magnetic</li> <li>→ Difference between iron and steel.</li> </ul>
04.	<p><b>Garbage in garbage out:</b></p> <ul style="list-style-type: none"> <li>→ Book reading</li> <li>→ New facts</li> <li>→ Definitions</li> <li>→ Textual exercise</li> </ul>	<p><b>Warm up activity:</b></p> <ul style="list-style-type: none"> <li>→ Examining daily household garbage.</li> </ul> <p><b>Other Activities</b></p> <ul style="list-style-type: none"> <li>→ Making compost and vermi compost</li> <li>→ Making recycled paper</li> <li>→ Field trip.</li> </ul>

## **SUBJECT: SOCIAL SCIENCE**

<b>TERM-I</b>	
Name of the chapters	Activities
(i) New ideas and Religion (ii) The First Empire (iii) Maps and Map Reading (iv) The four realms of the Earth (v) Government	(a) A seminar – involving teachers and students on emergence of new religions. (b) Drawing of physical map of India (c) Drawing of Political map of India (d) Showing of different layers of earth using apple or apricot. (e) Using different colours showing of four realms of earth
<b>UNIT-III</b>	
(i) Life in town and village (ii) Contact with Distant (iii) Relief Features of the continents (iv) India : Physical Features (v) Democratic Government	(a) Drawing of Chart – showing horizontal and vertical alignment of a town (b) Map drawing activity showing silk route with importance. (c) Mountain formation activity using clay or flour. (d) Activity show magma and its action.
<b>TERM-II</b>	
Name of the Student	Activity
(i) Political Development (ii) Culture and science (iii) India: Climate, vegetation and wildlife (iv) Local-self Government Rural and urban administration (v) Rural and urban livelihood	(e) Map drawing activity showing (f) Making of forest ecosystem (g) A seminar on local self government role in contemporary world (h) A project work report on rural livelihood (i) A project work report about livelihood in nature villages of students.

## **SUBJECT: COMPUTER**

### **T1-Contents**

1. Tables and Borders in MS Power Point 2010
  - a. Inserting a blank table
  - b. Table styles
  - c. Inserting pictures and clip art
  - d. Applying charts in a presentation
2. Animating text and objects
  - a. Animation and slide transitions
  - b. Inserting video clips to slides
  - c. Applying sound clips to slides
  - d. Using Action buttons
3. Learning MS Excel 2010
  - a. Opening MS Excel 2010
  - b. Components of MS Excel 2010
  - c. Entering data in Excel
  - d. Performing calculations
  - e. Saving a workbook

### **U III – Contents**

4. Exploring MS Excel 2010
  - a. Operations on cells, rows or columns
  - b. Formats in Excel

- c. Creating Complex formulae
- d. Cell reference
- 5. Computer language
  - a. Types of computer languages

## **T-II Contents**

- 6. Getting started with QB64
  - a. About QB64
  - b. Steps to execute a programme in QB64
  - c. Elements of basic programme
  - d. QBasic Statements.
- 7. Log on to Flash CS6
  - a. About Flash CS6
  - b. Starting Flash CS6
  - c. Tools in Flash CS6
  - d. Working with Flash documents
  - e. Opening an existing flash documents
  - f. Closing and exiting flash
- 8. Working with Flash CS6
  - a. Symbols in Flash CS6
  - b. Animation
  - c. Creating classic Tween animation
  - d. Creating shape tween animation

e. Adding classic motion guide

**SUBJECT : MATHEMATICS**

<b>Term-I</b> <b>Chapter-5 Fractions</b>	<b>Learn Roman</b>
<ul style="list-style-type: none"><li>→ Representation on number line</li><li>→ Types (Like, unlike, proper, improper, unit fractions)</li><li>→ Mixed fractions</li><li>→ Addition and subtraction of fraction</li></ul>	<ul style="list-style-type: none"><li>→ <b>Numerals from 100-150</b> <b>i.e. (C to CL)</b></li></ul>
<ul style="list-style-type: none"><li>→ Chapter -6 Decimal</li><li>→ Introduction, Place value</li><li>→ Expanded form</li><li>→ Conversion of decimals into fractions and vice-versa</li><li>→ Long division method</li><li>→ Addition, subtraction of decimals</li></ul>	<ul style="list-style-type: none"><li>→ Learn</li><li>→ <math>(a+b)^2 = a^2 + b^2 + 2ab</math></li><li>→ <math>(a+b)^2 = a^2 + b^2 - 2ab</math></li><li>→ <math>(a+b)(a-b) = a^2 - b^2</math></li><li>→ <math>(x+a)(x-b) = x^2 + (a-b)x - ab</math></li></ul>
<p><b>Chapter-7 Introduction to Algebra</b></p> <ul style="list-style-type: none"><li>→ Variable and constants</li><li>→ Operations on algebraic terms</li><li>→ Power of a variable</li><li>→ Like, unlike terms</li></ul>	<p><b>learn table of 17, 18, 19, 20</b></p>



→ Types of Algebraic expression Arithmetic and Geometry	
<b>Chapter-8 Linear equations</b> → Solving by trail and error → Translating statements → Systematic balancing method	→
<b>Unit-III</b>	
<b>Chapter-9 Ratio and Proportion</b> → Ratio and its properties → Ratio in its lowest form → Equivalent rates → Comparison of ratios → Proportion and its types → Unitary method	→ Volume of cuboid = (Lenth x breadth x Height) → Volume of cube = (side) <sup>3</sup>
<b>Chapter-10 Basic Geometric Ideas</b>	
→ Point (collinear, non collinear) → Comparison and Measurement of line segment) → Angle and its types → Open and closed figures	→ Diameter of a circle = 2 x Radius → Volume of cone = $\frac{1}{3} \pi r^2 h$ → r = radium of base → h = height of cone
<b>Chapter-11 Understanding elementary shapes</b>	
→ Polygons and its types → Different sided figures → Triangle and its properties → Types of triangle	Volume of sphere = $\frac{4}{3} \pi r^3$  Volume of cylinder = $\pi r^2 h$

→ Quadrilaterals, rectangle, circle

**Chapter-12 Three dimensional shapes**

→ Introduction

→ Some 3D shapes (cuboid, cube, cone etc)

**Term II**

**Chapter-13 Construction**

→ Construction of a line segment

→ Construction of circle, angles

→ 1m = 100 cm

→ 1 kilometer = 1000 meter

→ 1 decameter = 10m

→ 1 hectometer = 100m

→ 1 decimeter = 1/10 m

→ 1 centimeter = 1/100m

→ 1 millimeter = 1/1000 m

**Chapter-14**

**Symmetry**

→ Introduction

→ Line of Symmetry

→ Symmetry in 2D

→ Creating Symmetrical figures

<p><b>Chapter-15 Perimeter and Area</b></p> <p>→ Perimeter and calculation of it of different shapes</p> <p>→ Area of figure using graph paper</p>	<p>Perimeter of rectangle = 2 (length + Breadth)</p> <p>Perimeter of square = ( side)<sup>2</sup></p>
<p><b>Chapter-16 Data Handling</b></p> <p>→ Raw data</p> <p>→ Types of data (Primary, secondary)</p> <p>→ Representation of Data</p> <p>→ Pictograph</p> <p>→ Bar graph and its properties</p>	

**SUBJECT: GENERAL KNOWLEDGE**

<b>Term-1</b>	PG NO
1. The number	22
2. Number Grid	23
3. Earth Quiz	24
4. Geographical features	25
5. Saving our environment	26
6. Famous Novels	27
7. Legendary Dances of India	28
8. Literature of India	30
9. Superheroes and Villains	31
10. The better thing to do	32
11. Total Recall	34

12.	Having a Hobby	36
13.	Northeast India	40
14.	Nicknames and titles	41
<b>Unit-III</b>		
15.	Dams of India	42
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18.	Sports Quiz	48
19.	Acronyms	49
20.	Similar sounding words	50
21.	Animals phrases	52
22.	Plants, trees and Grasses	53
23.	Identity the birds	54
24.	Animals and myths and legends	55
25.	Keyboards shortcuts	56
26.	Gases	57
<b>Term-II</b>		
27.	Parts of the body	58
28.	Metal story	59
29.	Logical Reasoning	60
30.	Playing with numbers	62
31.	Mental mathematics	63
32.	Rebus	64
33.	Famous bridges	65
34.	Think green : Save the planet	66
35.	Mythology crossword	69

36.	Famous Paintings	70
37.	Film family tree	72
38.	Waste management	73
39.	Ten tips to speak better	74
40.	Every one of us is special	76
41.	Safety checklist	78

**SUBJECT: URDU**

**TERM I Exam.**

1- اپنی کتاب تعمیر اردو گرائیمر 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)

6- متضاد الفاظ صفحہ نمبر۔ 82 اپنی کتاب تعمیر اردو گرائیمر۔ بیس سے تیس تک متضاد الفاظ

7-- واحد جمع -- صفحہ نمبر 65-- اپنی کتاب تعمیر اردو گرائیمر ستر سے سوتک واحد جمع الفاظ

8-- محاورات اور ان کا استعمال صفحہ نمبر -- 85/ اپنی کتاب تعمیر اردو گرائیمر بارہ سے چوبیس تک

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

10-- مضمون --- اچھے اخلاق یا اخلاق حسنہ۔

11-- بک سیلر کے نام کتابیں وغیرہ ارسال کرنے کے لیے ایک خط۔

11- اپنی کتاب تعمیر اردو۔۔ نظم والدہ، مولانا اقبال احمد خوشترسی۔۔ ٹیپو

سلطان (12)۔۔ ٹیپو سلطان (2)۔۔۔ گلوبل وار منگ۔۔

1-- متضاد الفاظ صفحہ نمبر۔ 82 اپنی کتاب تعمیر اردو گرائیمر۔ تیس سے چالیس تک متضاد الفاظ

2-- واحد جمع -- صفحہ نمبر 65-- اپنی کتاب تعمیر اردو گرائیمر سو سے ایک سو تیس تک واحد جمع

الفاظ

3۔۔ محاورات اور ان کا استعمال صفحہ نمبر۔۔ 85 / اپنی کتاب تعمیر اردو گرائمر چوبیس سے پینتیس

تک۔

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

5۔۔ مضمون۔۔ (محمد ﷺ) (حصولِ علم کی اہمیت)

6۔ درخواست۔۔ ایک دن کی چھٹی پر اپنے پرنسپل صاحب کے نام ایک درخواست

لکھیے

7۔ اپنی کتاب تعمیر اردو۔۔ اسباق میں سے۔۔ نظم، ہاتھی اور گھوڑا۔۔ پرویز رسول۔

## 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 / 9۔ (اسم نکرہ) (اسم معرفہ)۔

3۔۔ متضاد الفاظ صفحہ نمبر۔ 82 اپنی کتاب تعمیر اردو گرائمر۔ چالس سے پچاس تک متضاد الفاظ

4۔۔ واحد جمع۔۔ صفحہ نمبر 65۔۔ اپنی کتاب تعمیر اردو گرائمر ایک سو تیس سے آخر تک واحد جمع

الفاظ

5۔۔ محاورات اور اُن کا استعمال صفحہ نمبر۔۔ 85 / اپنی کتاب تعمیر اردو گرائمر پینتیس

سے پینتالیس تک

6۔ اسموں کی تذکیر و تانیث اپنی کتاب تعمیر اردو گرائمر صفحہ نمبر 59 /۔ پچاس سے ستر تک مذکر

مؤنث

7۔۔ مضمون۔۔ (محمد ﷺ)۔

8۔ درخواست۔ اپنے پرنسپل صاحب کو فیس معاف کرنے کے لیے ایک درخواست لکھیے

9۔ دوست کے نام گرمیوں کی چھٹیاں اپنے ساتھ کشمیر میں گزارنے کا خط لکھیے

10۔ اپنی کتاب تعمیر اردو۔ اسباق میں سے۔ نظم، پانی مصنف اسماعیل میر ٹھی۔۔۔ فرار۔۔۔

شتر مرغ۔۔۔ نظم، پیام عمل۔۔ محمد فاروق دیوانہ۔۔۔۔۔