ENGLISH

1. You are Arti Gupta, living at D-121, Laxmi Nagar, Delhi. Write a letter to the Municipal Commissioner, MCD of Delhi complaining about the insanitary conditions in your locality.

1)
2) 2.   You are Khushi/Shubam living at Khanpur, New Delhi. When you go to school, you find a number of cows moving aimlessly here and there, causing problems to the passersby. Write a letter to the Commissioner, MCD of Delhi stating the problems faced by the people.
3)
4) 3.   Though there is a ban on plastic bags still many use plastic bags. Write an article in about 120 words on the dangers of plastic bags.
5)
6) 4.   Thousands of kids across the country are making fast foods a staple food of their daily lives at the expense of their life leading to obesity, blood pressure, diabetes and other health related problems. Write anarticle on the "Growing Junk Food Menace in India."
7)
8) 5.   Given below is the beginning of a story. Complete it in about 80 words.
9)
10) When Raju reached his house from the school, he saw a crowd gathered in front of it. Shocked and disturbed, he started running towards it. Many thoughts were flashing in his mind......
11)
12) 6.   While walking down the road you saw a man making a bear dance. Write an article on cruelty to animals.
13)
14) 7.   Collect pictures of favourite singers and write few sentences on them like famous songs, childhood teachers, and achievement awards and why do you like them.
15)
16) 8.   Collect information about few Scientists and write about them along with their pictures.
17)
18) 9.Read chapters 1 to 12 from the novel " Gulliver"s Travel".

SCIENCE

PHYSICS

1. A train is running at a constant speed of 54km/h. What is its speed in m/s?
2. A girl while riding a bicycle moves with the speed of 10km/h for 2 hours and speed of 15km/h for the next 3 hours. Find the total distance moved by her and her average speed.
3. Draw the distance –time graph (a)when the body is at rest (b) body moving with uniform speed (c)body moving with non-uniform speed
4. Distinguish between (a)distance and displacement (b)speed and velocity
5. A bus decreases its speed from 80km/h to 50km/h in 4s.Find the acceleration of the bus?

6. Represent the given data graphically.

TIME (IN SECS)	DISTANCE (M)
0	0
2	5
4	10
6	15

a) What is acceleration? Write its unit.
(b) Draw velocity-time graph, when an object has
(i) Uniformly accelerated motion.
(ii) Uniformly retarded motion.

7. The distance-time table for a car is given.

Time	Distance (km)
7.00 p.m	0
7.15 p.m	5
7.30 p.m	10
7.45 p.m	15
8.00 p.m	20
8.15 p.m	25
8.30 p.m	25
8.45 p.m	25
9.00 p.m	29
9.15 p.m	33
9.30 p.m	37
9.45 p.m	45
10.00 p.m	55

Answer the following questions:
(a)Plot the graph of the distance travelled with time.
(b)Which portion of the graph shows that the motion of the car is non-uniform?
(c)Which portion of the graph shows that the car is at rest?
(d)Which portion of the graph shows that the motion of the car is uniform?
(e)Calculate the speed of car during uniform motion.

8. An athlete completes one round of a circular track of diameter 49m in 20s. Calculate the distance covered and displacement at the end of 30s.

CHEMISTRY

I. Explain in short how matter is a part of Panch tatva
II. Write an activity
   a. To explain that there is space between particles of matter.
   b. To show that matter is made up of very simple particles.

c. To show that particles are continuously moving.

d. To show the force of attraction in solid, liquid and gases.

III. What is matter made of?

IV. What are different physical states of matter?

V. Arrange the following substances in the increasing order of attraction between their partners Oxygen, Salt, Milk

VI. Why some gases like CNG, LPG can be filled in Cylinders?

VII. Why gases are compressible but not liquids?

VIII. A rubber band can change its shape then also it is solid? Give reason

IX. Why sponge is considered solid but can be squeezed?

X. Ice, water and steam are the three states of a substance and not different substances, Justify?

XI. Arrange three states of matter in the increasing order of

a. Rate of diffusion.

b. Particle motion

XII. Why can we get the smell of gas leaquage sitting meters away?

XIII. Wax is heated in a china dish. How will the following change during heating

a. Kinetic energy of particle.

b. Inter particle distance

XIV. Define rigidity, compressibility and density in terms of solid liquid and gases?

Biology HOME WORK

Q1) Name two cell oragnelles which have their own DNA

Q2) Differentiate between

a) Plant cell and Animal cell

b) Eukaryotic cell and Prokaryotic cell

c) Parenchyma, Cholenchyma and Schlerenchyma

Q3) Make a model of plant cell or animal cell using waste material (Do not use thermocole).

Q4) Make a working model which will fall into anyone of the categories mentioned below

a)Agriculture b)Health c)Nutrition

Q5) Eat the following foods :- Mango, Guava, Sapota and note down the difference in the pulp of all 3.

Q6) Make a model of nerve cell and label the parts (Use waste material).

Q7) Draw diagram of   a)Maristematic tissues in plants   b)Types of complex tissues

MATHS

19) Find four rational numbers between $\frac{-2}{3}$ and $\frac{3}{2}$

20) Find six rational numbers between $\frac{5}{7}$ and $\frac{9}{11}$

21) Represent $\sqrt{8}$ on the number line

22) Represent $\sqrt{10}$ on the number line

23) Represent $\sqrt{11}$ on the number line

24) Represent the following numbers geometrically on the number line

   (i) $\sqrt{3.5}$ $(ii)\ \sqrt{6.9}$ $(iii)\ \sqrt{7.2}$

25) Expand

   (i) $\left(\frac{a}{b} + \frac{b}{c} + \frac{c}{a}\right)^2$

26) Find the product of $\left(x - \frac{1}{x}\right), \left(x + \frac{1}{x}\right),\ \left(x^2 + \frac{1}{x^2}\right)\ and\ \left(x^4 + \frac{1}{x^4}\right)$

27) Factorise : $(x - y)^3\ (y - z)^3\ (z + x)^3$

28) Express $\frac{5}{\sqrt{7 - \sqrt{2}}}$ with a rational denominator

29) Simplify the product $\left(\sqrt[4]{3} + \sqrt[3]{2}\right) \times \left(\sqrt[4]{3} - \sqrt[3]{2}\right)$

30) If a $= \frac{3 - \sqrt{5}}{3 + \sqrt{5}}\ and\ b = \left(\frac{3 + \sqrt{5}}{3 - \sqrt{5}}\right), find\ a^2 - b^2$

31) Simplify : $\sqrt[12]{18} - 6\sqrt{20} - 3\sqrt{50} + 8\sqrt{45}$

32) Simplify: $\sqrt[4]{3\sqrt{2^2}}$

33) Simplify: $\sqrt[4]{81} - 8\sqrt[3]{216} + 15\sqrt[5]{32} + \sqrt{225}$

34) Find the value of the polynomial p(z) = $3z^3 - 4z + \sqrt{17}$ / within 2 = 3

35) If p(x) = $x^3 + 3x^2 - 2x + 4$, $find\ the\ value\ of\ p(-2) + p(1) + p(0)$

36) Find the remainder with $x^3 + 3x^2 - 3x - 1\ is\ divided\ by\ (x - 1)$

37) Far what value of m, is the polynomial $x^3 - 3x^{2+}\ 3x$ - 1 is divisible by $(x + 2)$?

38) Simplify $(5a + 3b)^3 - (5a - 3b)^3$

39) Give an example of two irrational number whase:

   A) sum is rational B)Product is rational C) Quotient is rational

40) Express $\overline{0.252}$ in the form $\frac{p}{q}$, where p and q are integers and q≠a

41) Express $\overline{2.93}$ in the form $\frac{p}{q}$, where p and q are integers and q ≠ a

SOCIAL SCIENCE
Date of Submission: 1ˢᵗ July 2017

Instructions: (i) Revise all the chapters which are taught in the class
(ii) Holiday Homework to be done in the assignment register.

1. Make the map given on page No.8, 9 & 10 of your Geography Book.

2. Draw the figure 2.1 of Lesson No.2 of Geography Book.

3. Follow any one Newspaper for one month and collect articles and letters that relates to democracy [Make a collage].

4. Visit the nearby hospital, either private or Government and note down the details regarding the number of beds, number of doctors and number of nurses. Also display the data on a pie chart.

5. Make a chart on political symbols given on page No.12 of your History Book.

6. Write any 5 Rights & Freedom and Duties of a Citizen of India.

7. Read French Revolution and answer the following questions:

   (a) Name the prison stormed by rebels?
   (b) Who was the king of France in year 1774?
   (c) Who was the Queen of France in the year 1774?
   (d) Who helped the13 American colonies to gain their independence from Britain?
   (e) What is Taille?
   (f) What is Tithes?
   (g) Who enjoyed the maximum privilege from birth in the French Society?
   (h) Who all were in the Third Estate?
   (i) Why did Louis XVI called the Assembly of Estate?
   (j) What is Chateau?

8. Prepare a collage of pictures on the history of Project to Clean Ganga.
9. Enlist the major polluting industries on Ganga.

ग्रीष्मावकाश हेतु गृहकार्य

कक्षा-नौविं

1. अन्नुच्छेद: (i) राम का महत्त्व   (ii) समय का सदुपयोग   (iii) लड़का लड़की एक समान   (iv) बढ़ते उद्योद-घटते वन

2. रहीम के दोहे स्मरण कीजिए|

3. मिट्टी की आकृति बनिए|

4. पढाए पाठों के शब्दार्थ तथा प्रश्नोत्तर स्मरण कीजिए|

5. अनौपचारिक पत्र:

   i.   विद्यार्थी जीवन पर दूरदर्शन का क्या प्रभाव पद रहा है, इस विषय पर छोटे भाई को पत्र|

   ii.   बड़े भाई को पत्र लिखिए कि उनकी शिक्षा किस प्रकार आपके जीवन में पग पग पर काम आ रही है|

   iii. परीक्षा में उत्तीर्ण होने पर छोटे भाई को बधाई पत्र|

   iv.   खेल प्रतियोगिता में सर्वश्रेष्ठ एथलिट होने का पुरुस्कर प्राप्त करने पर सखी/मित्र को बधाई पत्र|

   v.   कुसंगति से बचने की शिक्षा हेतु छोटे भाई को पत्र|

   vi.   विद्यालय के वार्षिकोत्सव का वर्णन करते हुए मित्र को पत्र|

Class - IX

I   vGj;Jffspd; gwgg[gwwpak; mtwi w tpsfFk; ti ugljj jak; ti fgLj;Jf

II   , di wa fhyjjpy; ftpi jalyfpy; gfHbgwW tps'Fk; ahnuDk; xU ftpug; gwwp xU flLi u ti uf/

III   cd; tPoy; bfhsi s nghd ei ffi s kPLj; j UkhW fhty;Ji w MathsUfF xU tpz z ggk; ti uf

IV   btwwp bgww ez gi dg; ghuhl o thHj;Jr; braj p j ahhpff/