DAV PUBLIC SCHOOL, EAST OF LONI ROAD
HOLIDAYS HOMEWORK (2018-2019)
CLASS VII

The much awaited summer vacations have arrived and yes! We have decided to give very little homework so that you have more time to spend on things which you really like , such as hobbies, reading , playing & so many more of them.
So relax & enjoy!

ENGLISH

1) Read the news paper everyday and cut out at least two articles each related to the topics:
i) Education ii) Environment iii) Health iv) Sports
Paste these articles in a scrap file. Based on these news, create a story each on any two topics giving each a suitable title (in 200-250 words).

2) Make a list of atleast 20 idiomatic expressions and try to use them in sentences of your own.

3) Watch some inspirational movies as suggested below as if you were the writer of any two of them, write a letter for each to the publisher making suggestive changes in the novel that you will like to make, providing the reasons for which you like to make the changes.

i) The Iron Man

ii) The Modern Times (Series of Charlie Chaplin)

iii) The Life of a Pie

iv) Three Idiots

4) Write a brief and interesting account of your visit & stay at any relative's place during the holidays also paste some coloured pictures with captions for each.

5) Revise the syllabus done in the class for the Unit Test, with emphasis on grammar practice; you may use the following sites from the net for the same:-
i) https://www.englishgrammar.org/
ii) http://learnenglish.britishcouncil.org/en/english-grammar

MATHEMATICS

General Instructions:

- Submit your work in a proper folder.

- Practice the questions related to ch1, 2 and 3 of the book.

Q1. Represent the following rational numbers on the number line:

a)-3/4   b) 31/-6   c) -1/2   d) ¾

Q2. Find the area of a rectangular park which is 183/5 m long and 50/3 m broad.

Q3. Compare the following rational numbers:

1) -9/27, 6/-18   2) -5/7, 10/-6

3) 3/-8, -15/40   4) -11/7, 33/21

Q4. What is the additive inverse of (-4) / 9 and 3 / 7.

Q5. What is the multiplicative inverse of (-2) / (-3) and 5 / (-9).

Q6. Write down the rational number whose numerator is (-3) × 4, and whose denominator is (34 -23) × (7 -4).

Q7. Find the value of –

$$\frac{3}{5} + \frac{5}{4} + \frac{-3}{8} \quad .$$

Q8. From a rope 11 m long, two pieces of lengths 13/5 m and 33/10 m are cut off. What is the length of the remaining rope?

Q9. Evaluate $(x \div y) \times xy$ if x= $\frac{-2}{5}$ and y = $\frac{3}{4}$

Q10. On one day a rickshaw puller earned 80. Out of his earnings he spent 68/5 on tea and snacks, 51/2 on food and 22/5 on repairs of the rickshaw. How much did he save on that day?

Q11. A car is moving at an average speed of 202/5 km/hr. How much distance will it cover in 15/2 hours?

Q12. Find the sum of multiplicative inverse of $\left(\frac{-9}{13}\right)$ and the additive inverse of $\frac{5}{6}$.

Q13. The sum of two rational numbers is (-6). If the first number is $\left(\frac{-23}{5}\right)$, find the other.

Q14. Find out five rational numbers between $\frac{2}{13}$ and $\frac{-3}{13}$

Q15. Given that ab= $\frac{-2}{5}$, a = $\frac{-1}{8}$, find b.

- **What is Hardy- Ramanujan number? What is special about this number?**

- **From the box given above complete the following table:**

$$\frac{3}{7}, \qquad \frac{-2}{9}, \qquad \frac{-1}{11}, \qquad \frac{13}{6}, \qquad 2\frac{1}{5}$$

$$\frac{24}{9}, \qquad \frac{15}{-45}, \qquad \frac{-10}{-26}, \qquad \frac{-3}{10}, \qquad \frac{11}{-13}$$

$$\frac{-14}{7}, \qquad \frac{27}{-45}, \qquad \frac{32}{18}, \qquad \frac{-42}{-33}, \qquad \frac{25}{-35}$$

$$\frac{49}{63}$$

Positive Rational Numbers	Negative Rational Numbers	Rational Numbers in Standard Form

SCIENCE

A. ASSIGNMENT

6. What is parasitic nutrition? Give two examples.
7. Name the raw materials required for photosynthesis.
8. Why do organisms need to take food?
9. Classify the following organism as herbivores, carnivores and omnivores. Dog, Cat,

Human beings, Elephant, Crow, Cow, horse, deer, Tiger, Lion.

10. What are Heterotroph? Give two examples.
11. What are nutrients? Name main nutrients.
12. What is radiation? Give an example of heat transfer through radiation.
13. Why metals are good conductor of heat?
14. Why is the handle of a metallic kettle covered with strips of cane?
15. Answer the following:
16. Which material has the highest melting point?
17. Which material has the lowest melting point?
18. What is the temperature range of laboratory thermometer?
19. What is temperature?
20. Why do we feel cold when our body sweats?
21. Write difference between laboratory and clinical thermometer?
22. How thermos flask keeps the liquids hot or cold?
23. Name the following
24. Fastest mode of transfer of heat.
25. Mode of transfer of heat where no medium is required.
26. The metal used in the bulb of thermometer.
27. Mode of transfer of heat where the medium does not get heated.
28. Why people advised to wear white clothes in summer?
 NOTE: Do these questions in your science note book.

PROJECT Find out the major crops in 4 states of India one of north india, south india, east india, and west india also find out the types of soil ,they are grown in and reasons behind the choice of soil and state.

ACTIVITY - Keep the state moist piece of bread in a warm corner in the kitchen and observe it for 3-4 days. Identify the organism growing on the piece of bread and its modes of nutrition.

NOTE: Do activity and project on separate A4 size sheets.

SOCIAL SCIENCE

(i)   NOTE: Dear students, roll numbers are mentioned according to which you have to do your holiday homework. Show your creativity, enjoy and learn while doing it.

(Roll no: 1- 26)

(a)   Prepare a 3D model of the interior of the Earth.
(b)   Collect pictures of the great monuments of North India and make a scrapbook/flipbook/flapbook with information about their location, significance, who built it, special characteristics and modes of travelling to reach there, famous handicrafts. (Any 10)

(Roll no: 26-52)

(a)   Prepare a 3D model of the process of water cycle.
(b)   Collect pictures of the great monuments of South India and make a scrapbook/flapbook/flipbook with information about their location, significance, who built it, special characteristics and modes of travelling to reach there, famous handicrafts. (Any 10)
(ii) Revise all the chapters done in the class for the periodic-1.

COMPUTER

• Create a short story or animation on scratch and take its screen shot and paste it in notebook.
• Make a list of Social Networking sites with the largest no. of users. Who launched it. (at least 10)

ART & CRAFT

Note:-Submit your Holidays Homework in a presentable manner as per the nature of the work e.g. a work which is two dimensional should be properly laminated) with name slip.
THEME OF HOLIDAYS HOMEWORK IS –
"Save Yamuna"
1. Use bright colors composition with related slogan 'Reflecting Positive message for our Society'.(Size A-3 Ivory Sheet)
2. Browse internet for collect innovative ideas.   This will stimulate your imagination.
Make any utility item or any decorative item like Total 6 Pastel Sheet Boarder Strips
Pattern & Design by pasting color sheets cuttings , Size – Approx 3 inch / 36 inches etc.

GK

a Give a brief introduction about the Commonwealth games 2018. Also paste the pictures of 5 athletes who won the medals in any 10 different games on A4 sheet and write in brief.
 b. Read the newspaper daily during summer vacation. Paste any five news article each related to sports, environment, education that you feel is the best news during vacations period on A3 sheet.
c. Revise the syllabus done so far.

हिन्दी

निर्देश ---   क. ग्रीष्मावकाश कार्य साफ लेख में और अलग से छोटी कार्य-पुस्तिका में करें।
               ख. कक्षा में करवाया गया समस्त कार्य याद करें।

1   कोई एक कविता या कहानी लिखिए जिसमें आपके सपनों का वर्णन हो जो कि आप जीवन में करना चाहते हैं।

2   उफ ! ये बढ़ता प्रदूषण --- इस विषय के आधार पर प्रदूषण के कारण व निवारण लिखिए।

3   तुलसीदास , कबीरदास ,रहीम जी के जीवन परिचय , भाषा शैली व उनकी रचनाओं के बारे में लिखिए।

4   छ: पृष्ठ सुलेख लिखिए।

5   हिन्दी फिल्म **चक दे इंडिया** देखिए व उससे प्राप्त शिक्षा लिखिए।

6   पाँच **नीतिपरक दोहे** सस्वर याद कीजिए।

संस्कृत

१ आवधिक-परीक्षा पाठ्यक्रमस्य पुनरावतिः कुरुत ।

२. संस्कृत संख्यानाम् प्रयोगं कृत्वा सर्पसीढी निर्माणम् कुर्वन्तु।

३. दिव्यम् पुस्तके निम्नलिखित कार्यम् पूरयत –
   क- चित्रवर्णनम् ।
   ख- पत्रम् ।
   ग- अपठित-अवबोधनम् ।

धर्म - शिक्षा

स्वामी दर्शनानन्द या पं॰ लेखराम ने आर्य समाज के प्रचार में क्या योगदान किया ? इन्होंने आर्य समाज के प्रचार को व्यापक बनाने के लिए क्या किया ?

अथवा

आधुनिक समाज में वैदिक धर्म और आर्य समाज के प्रचार की क्या आवश्यकता है ? लिखिए ।