HOLIDAY HOMEWORK

CLASS : 7 SESSION: 2018-19

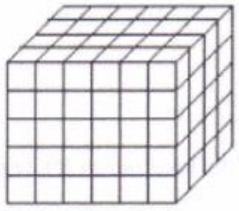
FRACTIONS

(1) Write the answer in short form (decimal number) :

(i) $5000 + 100 + 10 + 9 + \frac{4}{10} + \frac{1}{1000}$ (ii) $9000 + 300 + 50 + 9 + \frac{8}{10} + \frac{4}{100} + \frac{3}{1000}$

(2) The parking lot of the Mall has a capacity of 230 cars. On Sunday $\frac{3}{10}$ of the parking lot was occupied with cars. How many additional number of cars could be parked there?

(3) Following shape is made of several small cubes. What fraction of cubes are visible in the picture shown below?



(4) How much is $\frac{1}{10}$ of $\frac{1}{8}$ of 320 ?

(5) What will be the result if we divide the sum of $4\frac{1}{4}$ and $1\frac{2}{3}$ by their difference?

(6) Find the value of the following:

(i) $1 + \frac{1}{1+\frac{1}{5}}$ (ii) $\frac{2}{3} + \frac{1}{2-\frac{6}{10}}$ (iii) $\frac{1}{2} \times \frac{5}{4+\frac{1}{2}} - \frac{1}{11}$

(7) Jenny's mom says she has an hour before it's bedtime. Jenny spends 3/5 of the hour texting a friend and 3/8 of the remaining time brushing her teeth and putting on her pajamas. She spends the rest of the time reading her book. How long did Jenny read?

(8) In an auditorium, 1/6 of the students are fifth graders, 1/3 are fourth graders, and 1/4 of the remaining students are second graders. If there are 96 students in the auditorium, how many second graders are there?

(9) Jackie used to be on the phone $3\frac{1}{2}$ times as much as her brother. Her parents threatened to take away the phone, so she cut down to $\frac{3}{5}$ of the time she used to be on the phone. How many times as much as her brother Jackie is now on the phone?

(10) Simplify:

(i) $\frac{3}{5} - \frac{17}{46} \times \left[\left(4 - \frac{18}{17}\right) \div \frac{8}{3} + \left(\frac{3}{8}\right)^2 \times \left(\frac{7}{4} \times \frac{7}{9} + \frac{5}{12}\right)\right]$

(ii) $\frac{5}{7} + \frac{44}{27} \div \left[\left(4 - \frac{2}{3}\right) \times \frac{3}{8} \div \left(\frac{3}{8}\right)^2 \times \left(\frac{2}{3} - \frac{5}{6} + \frac{7}{9}\right)\right]$

(iii) $3\frac{1}{4} \times 4\frac{4}{5} \div 2\frac{4}{5}$

(iv) $2\frac{1}{7} \times 1\frac{3}{46} \div \frac{18}{23} \times \frac{5}{7}$

DECIMALS

1. Find the product of 522.8 and 8.10
2. (i) Divide 8.484 by 1.2. (ii) Divide 78000 by 0.13 (iii) Divide 780.013 by 1.3.
3. Each bag of mangoes weighs 3.03 kg. If the total weight of a sack containing bags of mangoes is 75.75 kg, then how many bags are there in the sack?
4. What number do you get by adding 1 Thousands to 15 Thousandths?
5. What number do you get by adding 5 Tenths and 52 Thousandths together to 89 Tens?
6. Sneha's car has a mileage of 23.2 km per liter. If her fuel tank contains 6.5 liters of petrol, then how far can she travel?
7. A corner store sells 102.41 litres of guava juice on Thursday and 18.38 litres more than this quantity on Friday. The following day, 16.26 litres less guava juice was sold than the quantity sold on Friday. How many litres of guava juice did they sell on Saturday? In total, how many litres of orange juice did they sell?
8. Simplify: $29 - 26.9 - 61.87 + 47 + 18.77$
9. What do you get when you subtract the sum of 280.4 and 62.8 from 395.3?
10. A sloth crawls 5448 cm in an hour. How many metres can it cover in 52 minutes?
11. If a bookworm can finish eating 21.62 pages of a book in 4.7 days, how much can it eat in one day?
12. Express in kilograms, using decimals.

    i) 563 g ii) 2.5mg
13. $17 \times 1.6 + 5 \times$ ---------- $= 35.7$
14. Aditya covers a journey by car in 5 hours . He covers a distance of 55 km 550m during the first hour , 56km 645m during the second hour, 57km 523m during the third hour, 54km 5m during the fourth hour and 53km 45m during the fifth hour, What is the length of his journey.
15. What are you left with when you take away one hundredths eight times from 1?

16. What is the value of $\frac{7}{8}$ rounded off to second decimal place?

17. A shirt costs Rs. 361.72 and a pair of pants each costs 5 times as much as the shirt.

Find the total cost of the shirt and the pair of pants.

18. Aditya weighs 95.38 kg . His father is 2.2 times heavier than he is. Calculate his father's weight.

19. Find the smallest positive number which should be added to 14.86 to give

(i) an odd number (ii) a prime number (iii) a perfect square

INTEGER

1. A man travelled 30 km east of a place A and reached B. From B he travelled 60 km west of B and reached C. Find the distance of C from A.

2. A man has Rs. 20,000 in his account in a bank. He withdraws Rs. 3000 per month for the first two months and deposits double of this amount on third month. What will be the balance in his account after 3 months?

3. What will be the sign of the product a x b if

i) a is the product of 5 positive integers and b is the product of 9 negative integers.

ii) a is the product of 6 positive integers and b is the product of 8 negative integers.

iii) a is positive and b is the product of 50 negative integers.

4. Find the value of 'a' if product of 'a' with -1 is

i) 200 ii) 0 iii) -300

5. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer

i) Rohan answered all questions and scored 24 marks though he got 8 correct answers.

ii) Smitha answered all questions and scored (-15) marks though he got 3 correct answers.

How many incorrect answer had they attempted?

6. The product of three integers is (-85). If the two integers are (-17) and (-5), find the third.

7. Write : (a) Additive inverse of 0 (b)Additive inverse of 15 (c) Additive inverse of -36.

8. Simplify:

(a) $83 - [\,29 - \{\,6 \div 3 - (\,6 - 9 \div 3) \div 3\}]$

(b) $45 - [\,43 - \{\,9 - 4\,(\,3 - 8 \div 2 + 6)\,\}\,]$

(c) $-14 + [3 - \{8 \div (\,-5 + 3 \text{ of } -2 + 19)\}]$

DELHI PUBLIC SCHOOL RUBY PARK KOLKATA

HOLIDAY HOMEWORK

CLASS - VII

Subject – English

- **Read the novel 'A Little Princess' by Frances Hodgson Burnett.**
- **Write a script for a play based on the following topics:**
  a) **Mystery /Suspense**
  b) **Patriotism**
  c) **Space travel**

HOLIDAY HOMEWORK

2ND LANGUAGE (HINDI)

CLASS 7

निम्नलिखित में से किसी एक कवि की कविता एक चौथाई चार्ट पेपर पर लिखकर लाएँ तथा याद भी करें। चार्ट सचित्र तथा आकर्षक होना चाहिए।

1 सुभद्रा कुमारी चौहान

2 रामधारी सिंह दिनकर

3 बालकृष्ण शर्मा 'नवीन'

4 नीरज

5 गोपाल सिंह नेपाली

6 माखनलाल चतुर्वेदी

HOLIDAY HOMEWORK

3rd LANGUAGE (HINDI)

CLASS 7

किन्हीं पाँच वर्णों से तीन-तीन शब्द बनाकर शब्दों की सचित्र चॉदमाला बनाएँ। कार्य आकर्षक होना चाहिए।

DELHI PUBLIC SCHOOL RUBY PARK KOLKATA

BENGALI DEPARTMENT (2018-19)

SUMMER HOLIDAY HOMEWORK

7	• 2nd Lang - – অনুচ্ছেদ লিখন বিষয় – ছাত্র জীবনে খেলাধুলার প্রয়োজনীয়তা (১০০-১২০ টি শব্দ , ছবিসহ ,ব্যাকরণ খাতায়।) • 3rd Lang - ‘ বাঘকে বাঁচাও –কবিতাটি ছবিসহ class work copy তে লিখবে।

ग्रीष्मावकाशकालीनकार्यम्
विषय- संस्कृत, कक्षा-सप्तम
मणिका संस्कृत व्याकरण-२-अपठितगद्यांश अभ्यास-१,२
संख्या- १से २५ तक ,शब्दरूप-बालक,लता,फल
धातुरूप- पठ्,गम्,भू लट्लकार,लृट् एवं लङ् लकारों में
निर्देश- सभी काम संस्कृत कॉपी में ही करें।

11.5.2018

Delhi Public School Ruby Park

Holiday Homework (2018-2019)

(Les Devoirs pour la classe 7)

Third Language (French)

Class – 7

1. Leçon 1 - Toutes les activites.
   Apprenez le poème (Connaissons la France).
2. Leçon 2 - Toutes les activites.
3. Leçon 3 – Traduisez le texte

Delhi Public School Ruby Park

Holiday Homework

German

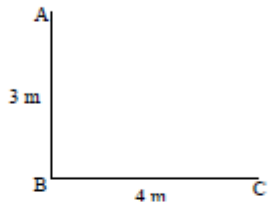
Class VII

Verb Conjugation- spielen, sprechen, mögen, möchten, wohnen, kommen, arbeiten, nehmen, haben, heißen, suchen, brauchen, finden, machen, lernen, sein

(Do it in the copy)

Modul 3 Lektion 2 Meine Schulsachen Arbeitsbuch Nummer 1,2,3,4,5,7,8,9 and 12 (Do it in the book itself)

Holiday Home Work 2018
Class VII
Physics

1.	'Rest and motion are relative terms'. Justify the statement giving suitable example.
2.	A body moves in a circular path of diameter 42m in 10 second with uniform speed. Find -
a)	distance covered after 10 s
b)	displacement after 5 s
c)	displacement after 10 s
d)	distance covered after 5 s
3.	
	A body starts from position'A' and reaches its final destination at 'C' as shown in the diagram.
	Calculate the distance covered and the displacement of the body from its initial to final position.
4.	A train travels from Agra to Delhi with a constant speed of 50km/h and returns from Delhi to Agra with a constant speed of 40km/h. Find the average speed of the train.
5.	

Time (s)	0	2	3	4	5
Distance(m)	0	10	20	40	70

	Draw a distance-time graph from the data provided and state what kind of motion the body is having.
6.	What does the odometer of a car read?
7.	State two factors which do not affect the time period of a pendulum.
8.	A pendulum takes 0.5 s to move from its mean position to one extreme end. Calculate its time period and frequency of oscillation.
9.	How is a pendulum clock affected if -
a)	it is taken to the pole
b)	brought to the equator.
	Will it have the same time period? Comment.
10.	Compare the time periods of two pendulums having bobs of same radius and suspended with the same length of string but one of the bob is half filled with mercury.

Chemistry Holiday Homework
Class7
Session 2018-2019

Topics : Matter and it's composition and Chemical Apparatus

1. What are the conditions of 'something' to be called as matter?
2. Mention the properties that are shown by particles of matter.
3. What will you observe when some amount of sugar is added to a fixed volume of water? Explain your observation.
4. How do the solid, liquid and gas differ in their free surfaces?
5. Name two gases which are supplied in homes and hospitals in the compressed form?
6. Explain why a small volume of water taken in a pressure cooker can produce a large amount of steam when the pressure is released?
7. When steam is cooled to a temperature A, it gets converted into water by a process called X and when water is further cooled at temperature B, it gets converted into ice by the process Y. Identify the temperature A and B and processes X and Y.
8. Name and draw the chemical apparatus needed for I) filtration and ii) distillation.
9. With reference to Bunsen burner answer the following :-
   a) What type of glass is used over Bunsen burner?
   b) What does the yellow flame of the burner indicates?
   c) How do you correct the yellow flame on a burner and convert it into a blue one?
10. State the methods of collection of the following gases with reason –
    a) oxygen and b) carbon dioxide.

CLASS- 7 HOLIDAY HOMEWORK, BIOLOGY SESSION 2018-19

1. Give reasons for the following:

a) Stomata close during night.

b) The test tube containing alcohol and leaf is never heated directly over fire.

2. Draw a labelled diagram of the section of a leaf.

3. How is photosynthesis important for the living world?

4. Design an experiment to show that "Oxygen is liberated during photosynthesis". Give suitable diagrams.

5. Name the components of the human digestive system.

6. Give two functions of the tongue.

7. What would happen if the large intestine did not function properly?

8. Give reasons for the following:

a) Fatty food is not suggested to people suffering from jaundice.

b) We should never talk while eating.

9. State the functions of:

a) Pancreas

b) Salivary glands

10. Draw a labelled diagram of Villus.

CLASS-VII

CIVICS

HOLIDAY PRACTICE WORK

THEME- Types of Government

A government is the system or group of people governing an organized community,often a state. There are many forms of government. Example,India is one of the largest working ***democracies*** in the world. In this context do the following-

a) Make a table stating the five different forms of government on an A4 sheet under the following headings:-
   i) Types of government
   ii) Definition
   iii) Examples of countries which have this form of government in the contemporary world.

b) On a map of the world locate and label any two countries which have each of the different forms of government

c) Other Instructions-

- A4 sheet to have the following details- Name, Class, Section and Roll Number.
- Both the A4 sheet and the map to be stapled together and submitted.
- Final Date of Submisison-22nd June,2018

HOLIDAY ASSIGNMENT
SUBJECT:GEOGRAPHY
CLASS VII
SESSION-2018-19

- Draw a neat labelled diagram of a volcano.
- Write one page (A-4 size) Report on recent volcanic eruption in Hawaii with 2 pictures.

Delhi Public School – Ruby Park, Kolkata

Computer Science

Class – VII

Practice Assignment

Q1. Find all syntax error in the following given code and rewrite the correct code.

```
@include<<iostream.u>
#include<hello.h>
void Main()
{
Clrscr();
Int a=7;
char section = F;
cout>>"Hello class"<<a;
cout<<"\nSection: "<<section<<endline;
getch()
}
```

Q2. Answer the following questions:

a) Discuss the programming environment of C++.
b) Explain the concept of OOPs with example.
c) What is the role of the "void main()" function in C++?
d) Discuss various types of operators with their use.
e) List the steps to compile and execute a C++ program.
f) What is a comment? How many types of comments are there in C++?
g) Give the syntax for declaring variables along with examples.
h) Discuss the various datatype in C++.

Q3. Define the following terms:-

a) class
b) object
c) abstraction
d) encapsulation
e) inheritance
f) polymorphism
g) debugger
h) data type
i) variable