

ROTARY PUBLIC SCHOOL
SUMMER HOLIDAYS HOME WORK (2019-20)
CLASS VIII

ENGLISH

1. Auxiliary Verbs

- **Make a chart on the following:**
Auxiliary Verbs. (ROLL NO. 1-10)
Subject Verb Agreement (ROLL NO. 11-20)
Determiners (ROLL NO. 21 Onwards)
- **Give examples of different rules for clarity and understanding.**

2. Descriptive Paragraph-

- **Write a descriptive paragraph on the place that you visited during your summer vacation. For example- Community Park, Gallery, Amusement Park, City, Village, Place Of Worship Historical Monuments etc.**
- **Describe vividly about the place.**
- **Employ rich descriptive words to make the object come alive while reading.**
- **Ensure accuracy of spelling, grammar and punctuation.**

3. Compose a creative, artistic and an innovative poem.

- **Supply a suitable title to your poem.**
- **Poem should have a proper rhyme scheme.**
- **Draw or paste related pictures to make it more expressive.**
On Nature (ROLL NO. 1-10)
On Patriotism (ROLL NO. 11-20)
On Friendship (ROLL NO. 21 Onwards)

4. Read any story of Ruskin Bond, a renowned Indian author and do the following-

- **Summary of the story**
- **Important characters**
- **Character sketch of the protagonist of the story.**
- **Moral / Message of the story**

5. Application Writing

Write an application to the principal of your school asking to grant you sick leave.
(ROLL NO. 1-10)

Write an application to the principal of your school asking to grant you leave for urgent work
urgent work leave. (ROLL NO. 11-20)

Write an application to the principal of your school to grant you full fee concession.
(ROLL NO. 21 Onwards)

NOTE:

- **Questions 1 and 2 to be done on A3 size sheets**
- **Questions 3, 4 and 5 to be done on A4 size sheets and put them in a folder.**
- **The work should be neat and presentable.**
- **For reference use bbc. All above topics are explained elaborately in bbc.**

HINDI

- निम्नलिखित विषयों पर ए-4 शीट पर एक आकर्षक विज्ञापन बनाइए -
क (10 से 1 अनुक्रमांक) मदर्स अचार -:मजेदार भोजन का राज .
ख(20 से 11 अनुक्रमांक) बुलेट प्रेशर कूकर .
ग(30 से 21 अनुक्रमांक) जायका चाय .
घ(40 से 31 अनुक्रमांक) फाउंटेन पैन .
- निम्नलिखित विषयों पर सुंदर लिखाई में अनुच्छेद हिन्दी कार्यपुस्तिका में लिखिए -
क. इन्टरनेट
ख. व्यायाम के महत्त्व
ग. विद्यार्थी और अनुशासन
घ. शिक्षक दिवस
- वसंत और व्याकरण संबंधित करवाया गया समस्त कार्य दोहराइए-

MATHS

Solve the following questions in a thin notebook .

Answers are given along with the questions in brackets .

RATIONAL NUMBERS

- Represent the following on number line
(i) $-5/4$ (ii) $7/3$ (iii) $-9/4$
- Write the additive inverse of :
(i) $4/9$ (ii) $-4/11$
- Find five rational numbers between $1/3$ and $2/3$
- By what number should be added to from $\frac{-5}{8}$ to get $\frac{5}{9}$? (85/72)
- Divide the sum of $-12/7$ and $13/5$ by the product of $-1/2$ and $31/7$ (-2/5)
- Area of rectangular field is $10\frac{1}{2}$ square meter. If the length of the field is $2\frac{3}{4}$ meter find its breadth. (11/3)
- Divide the sum of $-5/4$ and $-1/3$ by their difference . (19/11)
- Simplify $-3/10 \times (-5/6) \times (-22/9) \times (-9/5)$ (-1)
- Simplify $(3/11 \times 5/3) + (\frac{1}{6} \times 3/2) - (\frac{4}{3} \times \frac{13}{8})$ (47/12)
- Evaluate $\frac{3}{7} + \frac{-6}{11} + \frac{-8}{21} + \frac{5}{22}$ by rearranging the rational numbers using properties of addition. (-125/462)

LINEAR EQUATIONS IN ONE VARIABLE

Solve the following equations (11 to15) and check your solution

11. $\frac{y-1}{3} - \frac{y-2}{4} = 1$ (y= 10)
12. $\frac{3x-2}{4} + x = \frac{2}{3} - \frac{2x+3}{3}$ (x = 2/29)
13. $(2x+3)^2 + (2x-3)^2 = (8x+6)(x-1) + 22$ (x = -1)
14. $(x-2)(x+5) + 12 = (x+3)(x-4) - 2$ (x = -4)
15. $\frac{2x+1}{3x-2} = \frac{9}{10}$ (x = 4)
16. A number is such that it is as much greater than 84 as it is less than 108. Find it. (96)
17. Saurabh has Rs . 34 fifty paise and twenty five paise coins . If the number of 25 paise coins be twice the number of 50 paise coins ,how many coins of each coins does he have ? (34,68)
18. The difference between two positive integers is 36 . The quotient when one integer is divided by the other is 4 . Find the two integers . (48 , 12)
19. Find two consecutive even integers such that two - fifth of the smaller exceeds two – eleventh of the larger by 4 . (20 , 22)
20. If $\frac{5}{4}$ times a number results in the value of a number increasing by 10 . Find the number . (40)
21. After 12 years I shall be three times asold as I was 4 years ago.
Find my present age. (12)
22. Five years ago Rahuls father was five times Rahuls age . At present the sum of Rahul and his fathers age is 40 years . What are their present ages ? (10 , 30)
23. The digit at the tens place of a two digit number is three times the digit at units place . If the digits are reversed , the new number will be 36 less than the original number . (62)
24. The numerator of a fraction is 8 less than the denominator. If the numerator is increased by 17 and the denominator is decreased by 1 the new fraction will be $\frac{3}{2}$. Find the fraction . (13/21)

UNDERSTANDING QUADRILATERALS

25. Find the number of sides of a regular polygon whose each exterior angle has a measure of 45°
26. In an isosceles triangle, the vertical angle is 40° . Find the other two angles of the triangle. (70° each)
27. How many sides has a regular polygon, each angle of which is of measure 108° . (5)
28. The four angles of a quadrilateral are in the ratio 3 : 4 : 5 : 6. Find the angles. (60 , 80 , 100 , 120)
29. Write four properties of square, parallelogram and rhombus.
30. If the diagonals of a rhombus are 24 cm and 10 cm long, find the length of each side of rhombus. (13 cm)
31. In a rectangle KITE, diagonal $KT = 13$ cm, $IT = 5$ cm. Find KI, KE and ET (12cm , 5cm , 12cm)
32. What is the minimum interior angle possible for a regular polygon? why?
33. In a rectangle RENT, its diagonals meet at O, find x if $OR = 2x+4$ and $OT = 3x+1$ (x=3)
34. The perimeter of a parallelogram is 85 cm. If the ratio of two sides of the parallelogram is 2:3, find the lengths of the sides of a parallelogram. (17, 25.5 cm)
35. If the angles of a triangle are in the ratio 2 : 3 : 4 find the angles. (40 , 60 , 80)

PRACTICAL GEOMETRY

36. Construct a quadrilateral MNOP such that $MN = 3.5$ cm, $NO = 4$ cm, $OP = 5$ cm, $PM = 4.5$ cm and $PN = 6.5$ cm.
37. Construct a parallelogram HEAR such that $HE = 5$ cm, $EA = 6$ cm and $R = 60^\circ$.
38. Construct a quadrilateral PQRS such that $PQ = 6.3$ cm, $PS = 3.8$ cm, $Q = 90^\circ$, $R = 75^\circ$, $\angle S = 110^\circ$. Also, write the steps of construction.
39. Construct a rhombus with side 6 cm and one diagonal is 8 cm. Measure the other diagonal.
40. Construct a kite ABCD in which $AB = 4$ cm, $BC = 4.9$ cm and $AC = 7.2$ cm.

SCIENCE

PART-A

1. If you look at the labels of T-shirts and other readymade garments, you will notice that they specify the type of fibres used. These labels tell us that a clothing material can either be purely synthetic or a mixture of natural and synthetic fibres etc. (Roll no. __ 1-10)

Collect the labels of 10 readymade garments and paste them on A-3 size sheet.

Record the information in the format shown below:

S. No.	Type of garment	Type of fibre (Natural/Synthetic etc)	Percentage composition of the fibre	Remarks Washing & (maintenance instructions)
1				
2				
3				

2. Make a beautiful poster on the “Usefulness of Micro-organisms” on A-3 size sheet. (You can use cuttings/drawings) (Roll no. __ 11-20)
3. Make a calendar in tabular form regarding the following diseases:
Tuberculosis, Polio, Malaria, Aids, Dengue in the format shown below:

S. No.	Name of disease	Causative microorganism (with diagram)	Mode of transmission	National health programme associated with it	Year launched	Symbol
1						
2						
3						
4						
5						

Note- a. Use A-3 size sheet

b. You can take help from primary health centre, internet or any feasible source.

(Roll no.21-30)

4. Choose any five families of your neighbourhood. Enquire whether their energy consumption (coal, gas, electricity, petrol, kerosene) has increased or decreased in the last five years. Enquire also about the measures they adopt to conserve energy.

i. Make a report on the basis of these observations on coloured A-4 size sheets.

ii. Write a beautiful slogan on “Conservation of Energy.” (Roll no. _31.-40)

PART-B

Answer the following questions:

1. Name two plant diseases caused by microbes.
2. Viruses are living or non-living. Comment with reasons.
3. Name three things which are essential for most microbes to survive and grow.
4. Why are bacteria and fungi said to be 'decomposers'?
5. Name two plant diseases caused by fungi.
6. How are microbes useful in recycling the matter in nature?
7. Describe the main characteristics of viruses.
8. Write the harmful effects of fungi and algae.
9. Explain why plastic containers are favoured for storing food.
10. Write short note on polymerisation.
11. Name the component fibres of polycot, terry wool and cots wool.
12. What is the problem being faced due to excessive use of plastics on our environment?
13. Name the polymer that is used in protective clothing for fire fighters.
14. Give reason why earthworms are called farmer's friends?
15. Name two biodegradable synthetic fibres.
16. Write two uses of seed drill.

SOCIAL SCIENCE:

- Make a shopping bag out of discarded clothes or old newspaper . Avoid using disposable glasses, plates and bowls . Try reusable things instead. (roll no 1-10)
- Look up old newspaper or search the internet and find out some famous cases in which the public prosecutor has played a significant role .Prepare a report and present in a file. (roll no 11-20)
- Make a travelogue on Kumbh Mela emphasising the following parameters:
 - ❖ Location on the political map of India
 - ❖ Tourist attractions
 - ❖ Cultural significance
 - ❖ Arrangements for public convenience(Swachata mission)
 - ❖ International impactNote : Travelogue reflecting the innovation and originality will be appreciated . (roll no 21-38)

ASSIGNMENT TO BE DONE IN HISTORY NOTEBOOK

- Question. 1. Who was the ruler of England in 1600?
- Question.2 Why did the Company want a puppet ruler?
- Question.3. What was the main reason for the defeat of Sirajuddaulah at Plassey?
- Question.4. Why did the Battle of Plassey become famous?
- Question.5. Whom did the Company install in place of Mir Jafar?

- Question.6. How did the Company purchase Indian goods?
- Question.7 Who were called 'nabobs'?
- Question.8. Name the two rulers under whose leadership Mysore became powerful.
- Question.10. What happened in the-Battle of Seringapatam?
- Question. 11. What was Lord Dalhousie's Doctrine of Lapse?
- Question.12 . Name the Kingdoms which were annexed on the basis of 'Doctrine of Lapse'.

POLITICAL SCIENCE

WHY DO WE NEED A PARLIAMENT?

1. EVM's were used throughout the country for the first time in the general elections held in _____
2. The parliament of India is also known as _____
3. The total membership of the Rajya Sabha is _____
4. The Lok- Sabha is presided over by _____
5. The Prime minister of India is the _____ of the ruling party in the Lok- Sabha.
6. The constitution of independence India adopted the principles of _____
7. The _____ parties play a crucial role in the healthy functioning of a democracy.
8. The supreme law making institution is the _____

9. Sixty years ago, only four percent of MP's were women and today it is just above _____ percent.
10. The Parliament of India consists of the _____, the Rajya Sabha and the _____
11. When the Parliament session is in session, it begins with a _____
12. The President of India nominates the _____ members of Rajya Sabha.
13. The _____ parties play a crucial role in the healthy functioning of a democracy.
14. The executive is a group of persons who work together to implement the laws made by the _____

ART AND CRAFT

Decorative Flower pot with artificial flower (using paper or any material) Can be used home decoration or gifts.