**THE ROYAL COLLEGE**

**SUMMER HOLIDAY HOMEWORK**

**(2018-2019)**

**CLASS-VIII**

**Dear Parents,**

**PLEASE MAKE YOUR WARD COMPLETE THEIR HOLIDAY HOMEWORK IN NEAT AND SYSTEMATIC WAY BECAUSE IT CARRIES 20 MARKS IN EACH SUBJECT FOR ASSESSMENT.**

**MAKE A PRESENTATION IN POWER POINT ON THE TOPIC GIVEN BY YOUR TEACHER WITH IMAGE OR PICTURES IN SIMPLE LANGUAGE OF AT LEAST 8 SLIDES AND AT MOST 12 SLIDES.**

\*Do one good deed everyday and write in a scrap book.

**English**

Read chapter 1 to 5 from your supplementary reader book ‘It so happened’. Write summaries of all the chapters and do all relevant exercises and Questions Answers given at the end of the chapter in a separate note book.

Write a summary of the poem “The Ant and The Cricket”. Write in about 120 words how this poem is relevant to humans with reference to “Conservation of today’s world”.

What kind of presents you like? On which occasions? What kind of presents you give? What criteria you keep in mind while selecting the gift. Write an article for a socialite magazine.

You are in 2222AD.You journeyed from Earth to Mars to meet your friend X whom you met accidently on the Moon 25 years before. Write a story on your journey, satellite plane, alien of other planets, wars and wins.

**HINDI**

1. Read (page no:- 1 to 91) from ‘Bharat Ki Khoj” and Write 10 difficult words and frame Five Questions of Each Chapter.
2. Answer the Questions 1 to 14.(Page no:- 126,127,128)

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 MATHS

1 Verify the associativity of rational number i.e. x+(y+z)=(x+y)+z, when :

1. X= -5/7, y= ½, z= -2/3
2. X= -7/9, y= -1/3, z= 7/3

2 Verify whether the given statements are true or false:

1. 5/9\*(7/2+3/2) = 5/9\*7/2-5/9\*3/2
2. -7/9÷(-3/7÷9/12) == (-7/9÷ -3/7) ÷ 9/12

3 Simplify the following:

1. (-5/9\*5/13)÷(-5/2\*5/3)
2. (-12/14÷1/7) + (-10/7\*21/5)
3. (4-1 + 8-1) ÷ (2/3)-2

4 Find (x+y) ÷ (x-y) if

1. x=2/3 , y=3/2
2. x=5/4 , y= -1/3

5 Find three rational numbers between the following:

1. 1/9 and 1/13
2. -3/8 and -5/12

6 By what number -7/3 be divided to get 4/9?

7 Find the value of x:

a. 52x+1 ÷ 25 = 53

 b. 72x \* 7-x = 77

8 If p/q = (3/5)2 \* (5/3)-4, find the value of (p/q)-1

9 Verify that x+y = x \* y for the following values of x and y

1. X= -4/7 , y= -8/9
2. X= -2/17 , y= 3/11

10 What should be added to (1/2+1/3+1/5) to get 3?

11 By which smallest number should 42592 be divided so that the quotient is a perfect cube?

12 If 42\_5 is a multiple of 9 and \_ is a digit, then find the value of \_?

13 If 3\_12 is a multiple of 3 and \_ is a digit, then find the value of \_?

14 1/5 ÷ 1/5 of 1/5

 1/5 of 1/5 ÷ 1/5

 Simplify?

15 The usual form of the number

9\*100+7\*1 is \_\_\_\_\_\_\_?

16 A is a digit and 3A18 is a multiple of 6. Find the possible value of A?

17 Is 2352 a perfect square? If not, find the smallest number by which 2352 must be multiplied so that the product is a perfect square. Find the square root of new number.

18 Simplify:

 ( $√$81 + $√$0.081 + $√$0.0081) \* $√$10000

19 Verify the property a\*b = b\*a by taking:

 A= (-12/7) and b= (-21/5)

20 The sum of two rational numbers is (-3/7). If one of the number is (-5/8), find the other?

21 Simplify:

 [13/4÷{5/4-1/2(5/2-1/4-1/6)}]

22 Statistics : Make a comparative study of the scores of various teams of IPL,and represent it in the form of bar graph?

23 the sum of all interior angles of a regular polygon is 1080° find the no. of sides of the polygon.

24 Draw the figure and count how many diagonals are there in a hexagon?

25 In a triangle ABC, AB=BC, angle B =x° and angle A=(2x-20)°. Find the measure of all the angles.

26 If OE is the bisector of AOD in the given figure, then the value of x and y are:

 C y A

 E

 132 x

 B D

27 The length of a rectangle is twice its breath. If its length is decreased by 5cm and the breadth is increased by 5cm, the area of the rectangle is increased by 75cm2. Find the length of the rectangle.

28 The diameter of the driving wheel of a bus is 140cm. How many revolutions per minute must the wheel make in order to keep a speed of 66kmph?

29 The largest size of bamboo that can be placed in a square of area 100 sq. meters, is?

30 The base of a right angled triangle is 5m and its hypotenuse is 13 m. find its area?

31 Find compound interest on Rs. 50000 at 12% per annum for 6 months, compounded quarterly?

32 How much would a sum of Rs. 16000 approximately amount to in 2 years at 10% per annum compounded half yearly?

33 How much would a sum of Rs. 1500 amount to in 5 years at 30% per annum?

34 At what rate percent per annum will a sum of money double in 8 years?

1. Find S.I on Rs. 5600 at 20/3% p.a for 9 months?
2. A and B start a business by investing Rs. 100000 and Rs. 150000 respectively. Find the share of each out of a total profit of Rs. 24000.
3. A and B started a business by investing Rs. 20000 and Rs. 25000. After 4 months B left and C joined by investing Rs. 15000. At the end of the year, there was a profit of Rs. 46000. What is C’s share?
4. If 1/5:1/x::1/x:1/1.25, then , find the value of x?
5. Two numbers are in the ratio of 3:5, id each number is increased by 10, the ratio becomes 5:7. Find the numbers?
6. A bag contains one rupee, 50p and 25p coins in the ratio 8:9:11. If the total money in the bag is Rs. 122, find the number of coins of each type?
7. Gurdeep lost 20% by selling a bicycle for Rs. 1536. What percent shall he gain by selling it for Rs. 2040?
8. A chair is bought for Rs. 750 and sold at a loss of 6%. Find its selling price?
9. (43% of 2750)-(38% of 2990) is equal to what?
10. 0.05 is how many percent of 20?
11. Find the largest form among

 4 $√$6, $√$2 and 3 $√$4

1. A man is 30 times older than his son. 18 years later he will be only thrice as old as his son. What is man’s present age?
2. If the difference between the reciprocal of a positive fraction and the fraction itself be 9/20 , then find the fraction?
3. 86/21 – 41/14 + 12/7 ÷ 36/7

 16/9 + 97/48 ÷ 97/27

49 Solve without calculation:

0.07\*0.07\*0.07-0.05\*0.05\*0.05 = ?

0.07\*0.07+0.07\*0.05+0.05\*0.05

50 (a) (27.5-19.3)2 + (19.3+27.5)2 = ?

 (19.3)2 + (27.5)2

 (b) (2.3)3 - 0.027 = ?

 (2.3)2 + 0.69 + 0.09

 SCIENCE

ANSWER THE FOLLOWING

1. What are microorganisms? Give example.
2. Which microscopic organisms are not considered as a microorganism and why?
3. How many group of microorganisms are there? Name them.
4. What is the meaning of soil fertility?
5. What are communicable diseases? Give 3 example.
6. What is the meaning of pollution? How many types of pollution are there in the world?
7. Write the full form of LPG and CNG and its uses also.
8. What is meaning of global warming?

 9. What is the meaning of potable water?

 10. Where do microorganisms live?

 11.What is the Ganga action plan explain it ?

 12.What are the causes of air pollution? How can you prevent it ?

 13. Write any 4 methods to prevent water pollution?

 14. Write any 4 methods that can be made water safe for drinking ?

 15. How is carbon monoxide produced? Why is it harmful for us ?

 16. How does microorganisms increases the soil fertility?

 17. What is food poisoning ?

 18. Write the chemical method for food preservation.

 19.What is pasteurization?

 20. Describe the process of nitrogen fixation in the soil?

 21. Explain all the methods of food preservation.

 22. Explain the green house effect ?why is it so common?

 23. What is marble cancer? Describe it by giving some suggestions to

 prevent it ?

 24. Define the following –

 Chemical contamination, recycle, chloroflorocarbon, carrier, fungi, fermentation, vaccine, anti-bodies, rhizobium

25.Draw a well labelled diagram :-

nitrogen cycle,algae,bacteria,protozoa,fungi,virus,green house effect,water treatment plant,blue green algae

SOCIAL STUDIES

\*Answer the following question in short

1 Why do the Indian call the British period a colonial period?

2 What are some of the legacies of the British rule?

3 How do the archives serve as a useful source of history?

4 Explain the difference between democracy& monarchy?

5 Why did the British feel the need to survey India?

6 What is the importance of looking at history from the point of various sections of the society?

7 What is nationalism?

8 Why is the practice of 3 R’s necessary?

9 Why is the conservation of resources important?

10 What do you think will happen when the fertility of available agriculture land is exhausted and there is shortage everywhere ?

11 Explain recycle?

12 What is a preamble ?

13 How can we say that India is a sovereign country ?

14 What are fundamental rights?

15 What is the significance of fundamental rights?

16 What is secularism ?

17 What should a person do if his/her rights are violated?

18 Explain right to information.

19 How do botanical gardens serve as information?

20 Advertisment help to create taste explain ?

21 Explain how agriculture changed in remote tribal areas.

22 Write a report on home department?

23 Write a short note on Warren Hastings?

24 How was the Indian culture as the symbol of british power?

25 What was the news of 22 March 1946 under the title “not fit for human consumption”.

26 What is sovereignity?

27 Name few social reformers who have up lifted in making our country attain freedom ?

28 Why should we remember the dates in history ?

29 Describe the life of early men?

30 What problems did the Indian face in the british period?

31 Why was indigo a major production in the british rule ?

32 Why is agriculture a primary activity?

33 Explain “Satyagraha”

34 Write the advantages of colonial period?

35 Who were the Dalits?

 Prepare the Power Point presentation for about 7 to 8 slides.

 STUDENTS NAME TOPICS

1. Abhay Bhatti Nutrition in animals.
2. Aditya Dev Environment pollution.
3. Alisha Wesley Nutrition in plants.
4. Ansh Chauhan Atoms and molecules.
5. Arya Structure of atoms.
6. Aryan Gusain Types of joints.
7. Asraf Ali Locomotion in vertebrates.
8. Avantika Sharma Types of motion.
9. Bharat Chauhan Good Conductor and Insulator.
10. Chirag Roy Solar & Lunar eclipses.
11. Daksh Difference b/w Speed & Velocity.
12. Divyansh Jain Microrganisms.
13. Gayatri Ghosh Transparent, Translucent & Opaque.
14. Gursenak Singh Global warming.
15. Hansraj Sinha Types of joints.
16. Kanika Sharma Structure of atoms.
17. Manan Chauhan Respiration in organisms.
18. Mandeep Singh Transportation in plants.
19. Nisha Bharati Transportation in animals.
20. Nishant Forest resources.
21. Oshank Bhandari Motion and Time.
22. Prableen Light and its effect.
23. Prajjwal Nutrition in plants.
24. Pranav Difference b/w Speed & Velocity.
25. Prem Dhamankar Atoms and Molecules.
26. Raghav Physical and Chemical changes.
27. Rishuraj Singh Respiration in organisms.
28. Ritik Tanwar Heat.
29. Rupinder Environment pollution.
30. Shruti Tomar Global warming.
31. Souman Plant cell & Animal cell.
32. Vansh Gupta Electric current and its effect.
33. Vansh Rastogi Motion and Time.
34. Vinayak Gupta Water: A precious source.
35. Yatharth Chauhan Green house effect.

 **Project work:**  Make a project of 10 to 20 pages Visit a near by LIC office and collect the information about different policies plans and their benefits. Collect the Broachers.