ENGLISH HOLIDAYS HOMEWORK (2019-2020)

Class - VIII

1. Five W'S information organizer

The five W'S are a good way to look at the different aspect of any section of the book. Read any book/novel of your choice and carefully jot down the information required to answer

     Each of the following:

a) Title and the author:_____

b) Pages:_____

c) Genre :_____

d) Who

What

When

Where

Why

2. Prepare a comic step of a dialogue between you and your friend after you watched a funny movie.

3. Story writing lets be imaginative & creative

Read the beginning & complete the story and give a suitable title to the story. (Word Limit 150 words)

I was going to the market with my grandfather. Suddenly a car passed by_____

4. Make an illustrative poster on any one of the following topics.

• Humbleness & Politeness

• Patriotism

• Save water

• Conserve flora & fauna

• Human teacher vs. Mechanical teacher

MATHEMATICS

1. Find the smallest number by which 180 must be multiplied so that it becomes a perfect square.

2. Find the smallest number by which 9408 must be divided so that it becomes a perfect square.

3. The area of a square field is 101 1/400 square metres. Find the length of one side of the field.

4. Find the least number which must be subtracted from 2361 to make it a perfect square.

5. Find the least number of four digits which is a perfect square.

6. Find the greatest number of six digits which is a perfect square.

7. What is the smallest number by which 8640 must be divided so that the quotient is a perfect cube.

8. Multiply 137592 by the smallest number so that the product is a perfect cube. Also, find the cube root of the product.

9. Find the cube root of each of the following numbers.

(a) 8*64

(b) (-216)*1728

(c) (-125)*(-3375)

10. Find the approximate length of the side of a cube whose volume is 275 cubic meters.

11. Find the volume of a cube whose surface area is $150m^{2..}$

12. A labourer gets Rs. 675 for a day`s worth. How many days should he work to get Rs.900?

13. Disha cycles to her school at an average speed of 12km/hr in 20 min. What would be her average speed if she wants to reach in 15 minutes?

14. If weight of 5 sheets of paper is 20g, how many sheets of the same paper would weigh 2.5kg?

15. If 30 goats can graze a field in 15 days, how many goats will graze the same field in 10 days?

16. A man deposited a sum of Rs.5000 in a bank and earned an interest of Rs.600 in 2 years. How much interest would a deposit of Rs.8000 earn in the same period?

17. Rachit starts his journey to a certain place by a car at 9 A.M. and reaches the place at 1 P.M. If he drives the car at a speed of 30km/hr . By how much should he increase the speed so that he can reach the place by 12 P.M.?

18:- SOLVE USING IDENTITIES
a) $(101)^2$
b) $(10.2)^2$
c) $(48)^2$
d) 102×104
e) 106×93

19:- FIND THE FOLLOWING BY USING IDENDITES
A) $(8x + 3y)^2$
B) $(0.1X - 0.5Y)^2$
C) $(5ab - 8c)(5ab + 8c)$
D) $(4x + y - 3z)^2$

20: FACTORISE
A) $64 a^2 + 49 b^2 + 112 ab$
B) $P^4 - 256$
C) $a^2 - 7a + 12$

21: A Man buys 9 apples for Rs.9.60 and sells them at 11 for Rs.12.Find his gain or loss percent.

22:- If the selling price of 10 pens is equal to cost price of 14 pens, find the gain percent.

23:- A tricycle is sold at a gain of 16%.Had it been sold for Rs 100 more, the gain would have been 20%.Find the C.P. of the tricycle.

24:- The marked price of a ceiling fan is Rs.720.During off season; it is sold for Rs.684. Determine the discount percent.

25:-A shopkeeper allows his customers 10% off in the marked price of goods and still gets a profit of 25%.What is the actual cost to him of an article marked Rs 250?

26:-A publisher gives 32% discount on the printed price of book to the book seller. What does a book seller pay for the book whose printed price is Rs 275?

27:- (a) What is the name of the horizontal and vertical lines drawn to determine the position of any point on the Cartesian plane.

(b) What is the name of the point where x axis and y axis intersect.

28:- Plot the points (2,7),(5,8),(0,3) on Cartesian plane.

29:- The following table shows the amount of rice grown by moti in different years:

Years	2013	2014	2015	2016	2017
Rice grown in (quintal)	220	160	300	240	270

30:- Rohan takes 14 steps in covering distance of 5.6m .What distance would he cover in 150 steps?

31:-**ACTIVITY PROJECT**:-

Take a square sheet of area 132.25cm^2 .Find the side of the sheet and create a beautiful greeting card using this sheet. Write a mathematical quotation on it.

32:- **ACTIVITY PROJECT 2:-**

Prepare a ppt on life history of any Indian mathematician and his/her contribution in the field of mathematics.

SCIENCE

INSTRUCTIONS:

Do all the holidays homework in a Project File.

REPORT

On the map of world, indicate the places where Tsunami is more likely to occur. Try to find out the problems faced by people living in these regions. Take the help of newspaper clippings, school library or internet sources. Write this report on A4 Size Sheets supported by data and pictures.

PROJECT

Collection of interesting facts or situations on methods to increase/decrease friction in day to day life, also advantages/ disadvantages of friction

Power point presentation on noise pollution.
　　　(Roll No. - 1 to 25)

Model on constellations using Match sticks, clay, straws or any other eco-friendly material.
　　　(Roll No. 26 to 50)

SOCIAL SCIENCE

Instructions: Do your work in scrap book
1. Prepare a table related to the topic given below and fill the information in it:
   Topic: State wise allocation of seats in the two houses of the parliament (till 2026)

29 States and union Territories	Number of seats in Lok Sabha	Number of seats in Rajya Sabha

2. Paste the pictures of presidents of India along with their names and tenure(till date) For e.g.: Dr Rajindra Prasad (1950-1962) etc.

3. 5th June 2019 - World environment day will be hosted by China with the theme of air pollution "We cannot stop breathing but we can do something about the quality of air we breathe."

Prepare some activities related to this theme. For e.g. – Slogan writing, Importance, Campaign program, poem etc

4. Prepare a tabular chart of Carnatic wars, Anglo Maratha wars, Anglo Mysore wars, Anglo Sikh wars.

War	Period	Warring Group	Cause/Reason	Result

5. Many programs/ schemes were introduced by Prime Minister Shri Narendra Modi during 2014-2019. Write a brief description of the same along with their heading. For e.g. – GST, Surgical strike, Swacch Bharat

6. On the outline political map of world and India locate the following :
   - Areas of rainfall   Book Page 14,15
   - Types of forest   Page 22
   - Mineral and energy resources   Page 34,38
   - Tribal of India   Page 117
   - Centers of revolt   Page 128

7. Make a list of 10 mineral or energy resources that we use every day in our homes (Urban or Rural)

GENERAL HOMEWORK

ACTIVITY – Health & fitness

Healthy eating habits and weight management

- All the students will do the following activities during summer vacation.
- A 20-30 minute brisk walk (evening/morning), jogging/rope skipping
- Keep a record of your meals – Everyday breakfast, lunch, dinner, junk food, if any
- Weight monitoring every Monday (gain/loose)

Record the above information on A4 size sheet.