

Summer Holiday Homework 2017-18

CLASS – VIII A & B

SL. No.	SUBJECT	WORK ASSIGNED	HOD's Signature
1	English	1. Oxford Reading Circle - Read the chapter "Romeo and Juliet" and prepare a summary 2. Oxford Modern English - Read the chapters "The World Renowned Nose " and 'Siachen - The Forgotten War' and answer the questions at the back of the text 3. Prepare a chart on the life and works of Charles Dickens 4. Write a paragraph on a person who has made a difference in any field. You could also give a personal account about a person who has made a difference in your life. 4. Write a paragraph narrating a personal incident. It could be the best, the worst or the most embarrassing day of your life.	
2.	Hindi	1 परियोजना—सामाजिकचेतनासेहीबालश्रमकोरोकाजासकताहै।इसपरअपनेविचारव्यक्तकरें। 2 कार्य—प्रपत्र –व्याकरणसे अपनीकॉपीमेंहीकार्यकरेंतथाविभिन्नप्रकार के बालश्रमकरनेवालेबच्चों के चित्र लगासकतेहैं। कार्य—प्रपत्र कोभीअपनीकॉपीमेंलगाएँ।	
3.	Math	Solve the questions given.	
4.	Physics	Prepare a PPT on 'Energy and its Conservation'. Make a Model of a modern 'Thermal Power Plant'. List the types of power plants available in India for the production of electricity.	
5.	Chemistry	Solve the worksheet given.	
6.	Biology	Prepare a project on a chart paper on the topic of - ENVIRONMENTAL VARIATIONS	
7.	History	1. Watch a movie based on 'Holocaust' and write a two-page review (A4 sheets). Prepare a file. <p style="text-align: center;">OR</p> Read a book on 'Holocaust' and write a two-page review (A4 sheets). Prepare a file. [Hint for books: 'The Diary of a young girl' by Anne Frank, 'Maus' by Art Spiegelman, 'A scrap of time' by Ida Fink, 'The Journal of Helene Berr' by Helene Berr, 'The Last Jew of Treblinka' by ChilRajchman, 'Things we couldn't say' by Diet Eman] [Hint for movies: The Stranger, *Schindler's List, The Pianist, Holocaust, Kapo, I was on Schindler's List, Life is beautiful, The grey zone, Divided we fall, Judgement at Nuremberg, The Courageous heart of Irena Sendler] 2. Write an article (approx. 2 pages of A4 size) for the Social Science Magazine on any one of the following topics: a) Social media is changing the way we communicate. b) The government's initiative to impose liquor ban along highways should be supported. Yes or No? c) Significance of traditional headgears from around the world. d) A cinema review based on a film with a social message.	
8.	IT	Prepare a chart explaining the three common network topologies (Bus, Star and Ring) along with their pictures, advantages and disadvantages.	
9.	Spanish	Write a letter in English to a friend who is going to settle soon in one of the cities in Spain. Tell him/her about the city's culture, famous restaurants, places to visit, way to commute, nearby cities etc.	

SUMMER HOLIDAY HOMEWORK – 2017-18

CLASS: VIII AB
SUB. : CHEMISTRY

CHAPTER- ABOUT CERAMICS

1. Fill in the blanks:

- a. A range of hard, durable, non- metallic materials which are generally unaffected by heat is called _____.
- b. The main raw material for the manufacture of glass is _____.
- c. An arrangement of many atoms or other particles which are bonded together in a fixed regular pattern is called _____.
- d. Give two examples of ceramic material. _____, _____
- e. A material that does not allow heat or electricity to pass through it is called _____.

2. The diagram below shows some properties of material .Identify the property in each case:

Name the property of glass which is indicated by following diagrams:



3. Answer the following questions:

- a. Why ceramics are used for the manufacture of brakes in high performance cars?
- b. Why ceramic are hard and stiff in nature?
- c. Describe how the rate of cooling determine crystal size of ceramics.
- d. With the help of a diagram show the steps involved in making ceramic materials

4. Define the following terms:

- a. Brittle
- b. Heat resistant
- c. Insulators

5. Match the following:

- | | |
|-------------------|---|
| (a) Glass | (i) Pylons |
| (b) Porcelain | (ii) Clay |
| (c) Pottery items | (iii) A force that holds atoms together |
| (d) Bonds | (iv) Sand |

CHAPTER – POLYMERS

1. Fill in the blanks:

- a. A substance made of very long molecules containing repeating groups of atoms is called _____.
- b. _____ and _____ are examples of natural polymer.
- c. _____ and _____ are examples of synthetic polymer.
- d. The raw materials for the manufacture of synthetic polymers is mainly obtained from _____.
- e. The reaction that joins monomer molecules together to form a polymer is called _____.
- f. During vulcanisation, rubber is heated with _____.

2. Match the following:

- | | |
|----------------------|--|
| a. Natural polymer | (i) Polyethene |
| b. Exothermic | (ii) Reaction in which energy is absorbed |
| c. Synthetic polymer | (iii) Reaction in which energy is released |
| d. Elastic | (iv) DNA |
| e. Endothermic | (v) Regain original shape |

3. Answer the following questions:

- a. List four properties of polymers.

b. Define the following terms giving one example for each:

i) Plastic

ii) Elastic

c. Explain how vulcanisation changes the properties of natural rubber

d. Write down the monomer unit for the following polymers mentioning two properties and two uses of the polymer

i) Teflon

ii) Polyvinyl acetate

e. Explain the process by which polymers are made.

PROJECT - WORK

Choose any polymer listed below and on a half chart paper write about it .

Class 8 A

1. DNA

2. PROTEIN

3. NATURAL RUBBER

4. TEFLON

Class 8B

1. NYLON

2. POLYVINYL CHLORIDE

3 . POLYETHENE

4. CELLULOSE

SUMMER HOLIDAY HOMEWORK – 2017-18

CLASS: VIII AB
SUB. : MATHEMATICS

NUMBER SKILLS AND PROPORTION

A. SIMPLIFY:

1. $65 - 9 \times 8 =$

2. $44 \div 4 + 6 \times 7 =$

3. $(-5) \times (-5) \div (-25) =$

B. GIVE THE SIMPLEST ANSWER TO –

1. $\frac{5}{12} + \frac{3}{8} =$

2. $5\frac{1}{3} + 7\frac{3}{5} =$

3. $7\frac{1}{4} \div \frac{14}{8} =$

C. SIMPLIFY:

1. $11.27 - 10.73 =$

2. $(0.05)^2 =$

3. $0.01 \times 0.0001 =$

D. WRITE THESE DECIMALS AS A FRACTIONS:

1. $0.65 =$

2. $0.\overline{41} =$

3. $3.\overline{27} =$

E. 1. Find 10% of \$10

2. What percentage is \$45 of \$450?

F. SIMPLIFY THESE RATIOS:

1. $150 \text{ cm} : 4 \text{ m}$

2. $5 \text{ hr} : 45 \text{ min}$

3. $90 \text{ weeks} : 4 \text{ years}$

G. HOW MANY SIGNIFICANT FIGURES ARE IN THESE NUMERALS-

1. 52.7007

2. 0.000000400024

3. 43.700101

H. ROUND OF THESE NUMBERS AS INDICATED:

1. 54.234564 to the nearest tenth

2. 0.0078681724 to the 3 sig figures

I. ESTIMATE TO THE NEAREST INTEGER:

1. $(8.1)^2 \times \sqrt{24.9}$

2. $6.2 + 5.7 - 15.1 - 98.8$

RATIO AND PROPORTION

J. A birthday party has 48 boys and 32 girls. Write the ratio of-

2. Girls to Boys

2. Boys to Girls

K. Divide \$256 in the ratio of -

2. $2:6$

2. $6:2$

L. Increase \$42 in the ratio of 3 : 4.

M. Decrease \$150 in the ratio of 2 : 3.

N. John's weekly wage was \$1200 after the increase of 20%. What was his original wage?

O. Compare these ratios:

2. $150 \text{ cm} : 5 \text{ m}$ and $10 \text{ mm} : 45 \text{ cm}$

2. $5 \text{ hr} : 30 \text{ min}$ and $20 \text{ sec} : 25 \text{ min}$

P. The salary of Augustine is increased by 15%. If his new salary is \$1150, then find his original salary.

PAGE NO.	EXAMPLE	EXERCISE	QUESTION NUMBER
03		1:02B	13,15,16,18,19 and 20.
05		1:02D	8,9,10 and 11
07	FUN SPOT 1:03		S,S,S AND S
08		1:04	6
09		1:04	15
11	EXAMPLE 2		
16		1:07	2 (C,D,E)
18	EXAMPLE A		1,2,3,4 AND 5
20	EXAMPME B		5,6,7 AND 8
59	EXAMPLE		1 AND 2
60	EXAMPLE		1 ,2 AND 3
63		3:01	10 AND 11
67		3:02	1a, 1b, 1c,1d,1e and 5.
68		3:02	10 AND 11
69	EXAMPLE		1 AND 2

Project work:-

To show the direct proportion by taking a real life examples on the chart .(Use graph paper).

Example :

Earnings \propto Hours worked.

If you work 2 hours you get paid \$40

If you work 3 hours you get paid \$60 etc ...