I.T.B.P PUBLIC SCHOOL
SUMMER VACATION HOME-WORK
CLASS 7

SR. NO.	SUBJECT	HOMEWORK
1.	ENGLISH	Honeycomb and Alien hand - Learn and write ch - 1 ,2 .Grammar - Do practise of Noun sentences from book ● Given below is a list of book and movies ..write their summary (Any 1 book and 1 movie) Movies - Jurassic park, motivational movies likes The theory of everything Harry potter Book - Harry potter series, Oliver twist by charles dickens, Short stories by Rabindra nath tagore, The Test of my life- Yuvraj singh. ● Share your holidays with us and write your experiences weekly.You can also supplement it with photograph and tickets of your trip. Make a scrap book ● Supplement reading - once you are back from the holidays , you will be quizzed from the following chapters from your book Ch- 3,4,5 course book and literature reader ● Worksheet (Based on ch 1 to 5 from course book, literature reader and grammar) 1. Write summary of all the chapters. 2. Write character sketch of the protagonist of the given chapters. 3. Find out difficult word, write their meaning and make sentences. 4. Write any 5 article of your choice
	HINDI	10 पन्ने सुलेख,छुट्टियों का वर्णन चित्र सहित एल्बम बनाकर करें।,अपने प्रिय खिलाड़ी के विषय में एक लेख चित्र सहित लिखिए ।भारत की पांच नदियों के विषय में चित्र सहित लिखिए (पूरा कार्य व्याकरण की पुस्तिका में करना है। केवल एल्बम वाला कार्य अलग करें।
3.	MATHEMATICS	1. Complete the given worksheets of Chapter 1, 2 in practice notebook and revise the chapters 1 and 2 for UT 2.(Worksheets are given below) 2. Write the History of any Indian Mathematician with pictures.(On A4 size sheet, atleast 3 sheets) 3. Holiday Homework should be done neatly and properly. 4. Maintain your fair notebook properly.
4.	SCIENCE	**Instructions:-** **Use one scrapbook for project and report.** **No printed written content should be pasted.** **Complete the worksheet in Science notebook only.** **Date of submission - 5 July 2018** 1-Make a project on the topic- Fibre To Fabric under following headings:-

		A-Collect pictures of all animals which provide fibre and paste in a scrapbook. **B-**Write information about the specialty of their fibre places where these animals are usually found and suitable conditions for their rearing. **WORKSHEET** 2-Make a report on the health risks faced by the workers of a silk handloom factory, also mention what precautions are required to avoid such problems faced by those workers 3-Learn the chapters completed in the class. 4-Complete the worksheets given. Q1-What is meant by Sericulture? Q2- Name an Indian breed of sheep that gives good quality wool. Q3-Name the process of rearing of silkworm for obtaining silk. Q4- Why do we not wait for the silk moth to hatch and then boil th cocoon? Q5-Why does shearing not hurt the sheep? Q6-Differentiate between silk and wool. Q7-With the help of a flow chart describe the life cycle of silk worm. Q8- If we burn silk fibre it gives us smell of burning hair. Why? Q9- Animals activist are against the silk production why? Q10- How do the hair of certain animals help in keeping their body warm
5.	SOCIAL STUDIES	Dear Children, As you know that **5th June** is celebrated as **World Environment Day** and do you know what is so special about this year World Environment day. This year **India is the Global host of 2018 World Environment Day**. With **" BEAT PLASTIC POLLUTION"** as the theme for this year's edition, the world is coming together to combat single-use plastic pollution. **Dr. Harsh Vardhan**, Minister of Environment, Forest and Climate change, has also said " If each and every one of us does at least one green good deed daily towards our green social responsibility, there will be billions of green good deeds daily on the planet". Below are few fun ways children can help with Environment Conservation. Adopt any of 10 habits during this summer vacations, **click your picture doing green deeds and make a collage in A3 size sheet.** 1. Plant a leafy tree in your neighborhood and water it regularly. 2. Convert old plastic bottles into plant holders, fill it up with soil and grow tiny flowering plants 3. Do not mix plastic waste with organic waste. 4. Make sure to use rechargeable batteries. Avoid using hundreds of single use batteries. 5. During weekends collect waste soft drink cans and plastic bottles and exchange them at recycle centers. Use the money for good cause. 6. Try to Recycle everything you can like plastic bottles, Plastic bags, newspapers, glass, cans, foil, etc. 7. Always Use paper on both sides and make use of scrap paper whenever possible. 8. Save water by taking shorter showers and use least possible water while washing hands and brushing. 9. Use non-toxic environment friendly detergent and floor cleaners in your house 10. Turn of electric appliances like TV, computer etc. when not in use. This way you will save lot of

energy!

11. Consider carpooling with your friends. This is fun as well as you are controlling pollution
12. Reduce the use of petroleum, let's do the brisk walk
13. Pick up and properly dispose of trash and recyclables, even if they are not yours.
14. Ask parents to fix leaky faucets taps and pipes so that water is not wasted
15. Use biodegradable products wherever possible
16. Make group with your friends in the neighborhood and clean up the nearby lakes and parks to ensure these are free from litter.
17. Properly dispose of things including hazardous household waste. Find out if your township has a hazardous waste collection program.
18. Use energy saving light bulbs, and electrical appliances that use less power. These are only marginally more expensive but help saving money on electric bill!
19. Start an organic compost project in your backyard and get your friends involved. This helps you keep a lot of waste out of landfills!
20. Reuse your notebooks.
21. "Adopt" an animal.
22. Don't buy ivory, or other products, made using wild animals parts like leather. As this will discourage the trade
23. Make a bird feeder and hang it in your backyard also set up a birdbath, to support survival of wild birds
24. Hang clothes instead of using dryer. This will make your clothes longer and save energy as well.
25. Buy products from second hand stores. This way you are cutting on cost as well as helping with reusing
26. Use air conditioners only when it is absolutely necessary. Open window or close them to adjust the heat instead of using the air conditioner always.
27. Join wildlife conservation organization and environment conservation organizations and volunteer for the programs that happen during weekends or holidays.

Contribute for a Better tomorrow.

6.	COMPUTERS	Convert the following numbers from Decimal number system to required number systems 1. $(96)_{10} = (?)_2$ 2. $(122.25)_{10} = (?)_2$ 3. $(34.146)_{10} = (?)_2$ 4. $(66)_{10} = (?)_8$ 5. $(379)_{10} = (?)_8$ 6. $(774)_{10} = (?)_8$ 7. $(578)_{10} = (?)_{16}$ 8. $(300)_{10} = (?)_{16}$ 9. $(569)_{10} = (?)_{16}$

10. $(100.00)_{10} = (?)_2$

Convert the following numbers from other number system to Decimal number system

1. $(86)_8 = (?)_{10}$
2. $(125)_8 = (?)_{10}$
3. $(34)_8 = (?)_{10}$
4. $(1001)_2 = (?)_{10}$
5. $(11001)_2 = (?)_{10}$
6. $(10011)_2 = (?)_{10}$
7. $(5DA)_{16} = (?)_{10}$
8. $(3AC)_{10} = (?)_{10}$
9. $(56B)_{10} = (?)_{10}$
10. $(EF0)_{10} = (?)_{10}$

Make an excel sheet and practice following Excel formulas in different ways and email it to rahulsir.notes@gmail.com

- Min
- Max
- Sum
- Count
- Average
- Other mathematical formulas (on sheet 2)

| 7. | SANSKRIT | "सुभाषितानि" पाठ के सभी श्लोक अर्थ सहित याद करें। पठ्(पढ़ना)क्रीड्(खेलना),गच्छ्(जाना), धाव्(दौड़ना), क्रीण्(खरीदना) धातुओं के लट् लकार(वर्तमान काल),लृट् लकार(भविष्यत काल),लड़ लकार(भूतकाल) धातुओं के रूप तीनों पुरूषों में लिखें |
| 8. | G.K | Read newspaper daily and learn india's important 'Who is who?(at least 20) |

Worksheet – 1(Integers)
Class – VII
Subject – Mathematics

Q 1 Write the greatest negative integer.

Q 2 Find the value of x in the given pattern 12, 9, 6, 3, 0, x.

Q 3 Write in descending order: -5, -17, 10, -14 and 2.

Q 4 Write the smallest positive integer.

Q 5 Evaluate: 1331/(-11).

Q 6 Subtract 2112 from 0.

Q 7 Fill in the blank : (- 30) + {(-34) + (- 82)} = {(- 30) + (-34)} + _____

Q 8 Fill in the blank: –(–100) =_____

Q 9 Fill in the blank: -345x ___ = 345.

Q 10 If a x 200 = 0, find a.

Q 11 A boy walks 60 m due North and then 75 m due South. Find the position of the boy with respect to his starting point.

Q 12 The sum of two integers is –71. If one of them is –32, find the other.

Q 13 Subtract (-128) from the sum of 55 and (-38).

Q 14 Subtract the sum of (-545) and 125 from 1005.

Q 15 Multiply: (i) - 25 by 11.   (ii) -15 by -12.   (iii) 0 by – 33.

Q 16 Find the product: (i) 2 4 -6   (ii) -5 -6 -7

Q 17 If a = - 5, b = -6 and c = 8, then show that

(i) (a + b) + c = a + (b + c),   (ii) (a – b) (b - a)

Q 18 In a class test containing 15 questions, 3 marks are given for every correct answer and (–1) marks given for every incorrect answer. (i) Gurpreet attempts all the questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?

Q 19 In a class test containing 15 questions, 3 marks are given for every correct answer and (–1) marks given for every incorrect answer.

(i) Gurpreet attempts all the questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score?

Q 20 In a class test containing 20 questions, 5 marks are awarded for every correct answer and (–2) marks awarded for every incorrect answer and 0 for questions not attempted. (i) Mohan gets forteen correct and six incorrect answers. What is his score? (ii) Reshma gets fifteen correct answers and five incorrect answers. What is her score? (iii) Heena gets ten correct and eight incorrect answers out of the seven questions she attempts. What is her score?

Q 21 Evaluate the following using Distributive Property:-

(I) -39 x 99   (ii) (-85) x 43 + 43 x (-15)   (iii) 68 x (-17) + (-68) x 3

Choose the correct option (1 – 5)

1. Improper fraction of $19 \frac{3}{7}$ is

(a) $\frac{26}{7}$ 　　　　(b) $\frac{22}{7}$ 　　　　(c) $\frac{133}{7}$ 　　　　(d) $\frac{136}{7}$

2. The reciprocal of $2 \frac{1}{3}$ is

(a) $\frac{7}{3}$ 　　　　(b) $\frac{3}{7}$ 　　　　(c) $3 \frac{1}{2}$ 　　　　(d) $1 \frac{2}{3}$

3. $\frac{10}{11} \div$ ------------ = 1

(a) $\frac{11}{10}$ 　　　　(b) $\frac{10}{11}$ 　　　　(c) 11 　　　　(d) 10

4. $3 \frac{1}{4} \div \frac{1}{4}$ is equal to

(a) 3 　　　　(b) 4 　　　　(c) 12 　　　　(d) 13

5. A wire of length $3 \frac{3}{4}$ m is cut into 3 pieces. The length of each piece of wire is

(a) $1 \frac{3}{4}$ m 　　　　(b) $1 \frac{2}{4}$ m 　　　　(c) $1 \frac{1}{4}$ m 　　　　(d) 1 m

Fill in the blanks (6-10)

6. $4 \times 6 \frac{1}{2} =$ -----------

7. The lowest form of $2 \frac{2}{8} \times \frac{8}{9}$ is ---------.

8. The area of a rectangle of length $5 \frac{5}{3}$ cm and breadth $3 \frac{1}{3}$ cm, respectively is ---------sq.cm.

9. $8 \frac{7}{8} \div 1 \frac{7}{8} =$ --------------

10. $4 \frac{1}{2} + 6 \frac{1}{4} =$ ------------

11. Multiply $\frac{3}{11}$ with $5 \frac{2}{9}$ and express the product as a mixed fraction.

12. A farmer plant 5 saplings in a row, in his garden. The distance between two adjacent sapling is $1 \frac{1}{4}$ m. Answer the following questions:-

    (I) What is distance between the first and last sapling?

    (ii) What is the distance between the first and third sapling?

13. How many shirts can be made with 18 m cloth, if each shirt requires $2 \frac{1}{4}$ m of cloth?

14. The product of two fractions is $32 \frac{1}{2}$, If one of them is $8 \frac{3}{4}$, find other.

15. Find the following:-

(I) $\frac{2}{3} \div \frac{3}{2}$ 　　(ii) $5 \div \frac{1}{5}$ 　　(iii) $\frac{2}{9} \div 4$ 　　(iv) $2 \frac{1}{5} \div 1 \frac{2}{3}$

16. Simplify :- $4 \frac{1}{3} \times 3 \frac{1}{2} - 2 \frac{2}{3} \times 1 \frac{5}{7}$

17. Draw figures to show the following:-

(I) $\frac{1}{3}$ of 9 　　(ii) $4 \times \frac{4}{5} = \frac{16}{5}$ 　　(iii) $\frac{6}{7} - \frac{2}{7} = \frac{4}{7}$

18. Arrange the following in ascending order :-

(I) $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$ 　　(ii) $\frac{1}{5}, \frac{3}{7}, \frac{7}{10}$