

**I.T.B.P PUBLIC SCHOOL
SUMMER VACATION HOME-WORK
CLASS 8**

SR. NO.	SUBJECT	HOMEWORK
1.	ENGLISH	<p>1. Describe the following proverbs in your own words in not more than 50 words-(A-4 Size coloured sheet)</p> <p>a) <i>No gains without pains.</i> b) <i>All's well that ends well.</i></p> <p>2. Be a poet, compose a poem. Two lines have been composed for you-(A-4 Size coloured sheet) Moon moon come and shine, I have finished dinner of mine,</p> <p>3. Write two words (with each alphabet) starting with 'A to Z' and give at least two- two synonyms and antonyms of each.</p> <p>4. State whether the verbs in the following sentences are used <i>transitively</i> or <i>intransitively</i>. (English notebook)</p> <p>I. Heat expands metals. II. Metals expand on heating. III. The driver stopped the car. IV. The car stopped abruptly. V. You must speak the truth. VI. You must speak loudly. VII. The boy is flying the kite. VIII. The birds are flying in the sky. IX. The rider fell off the horse and broke his arm. X. The ship sank suddenly.</p> <p>5. Design your own newspaper with important news and events.</p> <p>6. Revise your UT2 syllabus.</p>
2.	HINDI	<p>1). किसी महापुरुष की जीवनी लिखकर उसके जीवन से क्या सीख मिलती है लिखो ।</p> <p>2). निम्नलिखित शीर्षकों पर अनुच्छेद लिखें - -दिल्ली की जीवन-रेखा: मैट्रो -हिन्दी दिवस का महत्व -विद्यार्थी और अनुशासन -विद्यार्थी जीवन में खेलों का महत्व</p>

Q.9. State True/False:

- a) Every whole number is a rational number.
- b) Every integer is a rational number.
- c) 0 is a whole number but not a rational number.
- d) $-3/5$ lies to the left of zero on the number line.
- e) $-12/57$ lies to the right of zero on the number line.

Q.10. Add using properties: $(-5)/8 + (-9)/13 \times (-5)/8 + 3/13$

Q.11. Answer the following questions:

- a) Which rational number is its own additive inverse?
- b) Is subtraction commutative over addition?
- c) What is the negative of a negative rational number?
- d) What is the multiplicative inverse of a positive rational number and a negative rational number?
- e) What is the additive inverse of a positive rational number and a negative rational number?

Worksheet, Chap –2 (Linear equation in one variable)

Q.1. Solve: $3(5x - 7) + 2(9x - 11) = 4(8x - 13) - 17$

Q.2. Solve: $x/y + 5/2 = -3/2$

Q.3. Solve: $15/4 - 7t = 9$

Q.4. Solve: $3(y + 2) = 2(y + 3)$

Q.5. Solve: $5y + 7/2 = 3/2y$

Q.6. The ages of Raju and Varun are in the ratio of 5 : 7. Four years later, the sum of their ages will be 56 years. What are their present ages?

Q.7. The sum of three consecutive even natural number is 48. Find the greatest of these numbers.

Q.8. Shashi has withdrawn Rs.4600 from her account. The withdrawn amount has denominations of Rs.1000, Rs.500, Rs.100 notes. The ratio of the numbers of these notes is 1:2:3. How many notes of each denomination does she have?

Q.9. In a two digit number, digit in unit place is twice the digit in tens place. If 27 is added to original number,

then it is equal to the new number formed by reversing the digits . Find the number.

Q.10. After 12 years, Anwar shall be 3 times as old as he was 4 years ago. Find his present age.

Q.11. The denominator of a number is 4 less than its numerator. If 6 is added to the numerator, it becomes thrice the denominator. Find the fraction.

Q.12. Anu's mother is 12 years more than twice his age. After 8 years, his mother's age will be 20 years less than three times his age. Find his age and his mother's age.

Q.13. Two numbers are in the ratio of 5 : 8. If the sum of the numbers is 182, find the numbers.

Q.14. Two angles of a triangle are in the ratio of 4 : 5. If the sum of these angles is equal to the third angle, find the angles of the triangle.

Q.15. Solve: $\frac{2x + 7}{3x + 5} = \frac{15}{17}$

		<p>Q.16. Solve: $\frac{5x - 1}{3(x + 1)} = 6(x + \frac{1}{30})$</p> <p>Q.17. Solve: $\frac{2 - 7u}{1 - 5u} = \frac{3 + 7u}{4 + 5u}$</p> <p>Q.18. Solve: $\frac{9x}{7 - 6x} = 15$</p> <p>Q.19. Solve: $\frac{q - (7 - 8q)}{9q - (3 + 4q)} = 5$</p> <p>Q.20. The d^r of a rational number is greater than its n^r by 6. If the n^r is decreased by 2 and the d^r is increased by 4, then the ratio of the rational number becomes 1:5. Find the rational number?</p>
4.	SCIENCE	<p>Instructions:-</p> <ul style="list-style-type: none"> -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 <p>1-Grow a plant of your choice and create a scrap book with daily note which includes methods of growing the plant and the pictures right from sowing of seeds to growth of seedlings and maturity of plant</p> <p>2- We use plastic containers to cook in microwave ovens, Find out the chemicals used in making this plastic. Do these chemicals have any effect on the food items? Are they safe for you? Make a report covering all points written above.</p> <p>3 Learn the chapters completed in the class.</p> <p>4- Complete the worksheet given.</p> <p style="text-align: center;">WORKSHEET</p> <ol style="list-style-type: none"> 1. Why is acrylic more popular than wool? 2. What is the difference between natural and synthetic fibres? 3. Write a few characteristics of synthetic fibres. 4. What is 4R principle? 5. What are biodegradable and non-biodegradable materials? 6. What are the disadvantages of plastics? 7. Why is it convenient to store plastic containers than metals? 8. What are the uses of nylon? 9. What do you mean by synthetic fibres? 10. Why is it advisable to not wear synthetic clothes while working near fire?
5.	SOCIAL STUDIES	<ol style="list-style-type: none"> 1) Learn Ch-1 of History and Geo , Ch-1 and 2 of Civics 2) Read Chapter 2 and 3 of History , Civics and Geography 3) Project work : Make a list of 20 National parks , 20 wildlife Sanctuaries, 10 Biosphere Reserves and 6 Tiger Reserves found in India

		<p>4) Collect more information on the following :</p> <p>a) Tipu Sultan b) Rani of Jhansi c) The Marathas d) Robert Clive</p> <p>5) Make a list of five important amendments done in the Indian Constitution since its inception. Write these in your civics notebook.</p>
6.	COMPUTERS	<p>Make a website of minimum 7 webpages in HTML with following configurations-</p> <ol style="list-style-type: none"> 1. Create a folder with your class name followed by your name; eg- your name is rajat then folder name should be "8A rajat" or "8B rajat". 2. Make a subfolder named images inside your folder. 3. Save all the required images inside the "images" folder. 4. Save all the html files inside your folder. 5. The first page of the website should be saved with the name "index.html". 6. Index.html file will show all the options to visit all the other pages. 7. Create a zip folder of your folder and email it at "rahulsir.notes@gmail.com" <p>Topics for the website are as follows (Choose any one):</p> <ul style="list-style-type: none"> • IT development in India • Medical development in India • Educational development in India • Industrial growth in India
7.	SANSKRIT	<p>"सुभाषितानि" पाठ के कोई भी 4 श्लोक याद करें । किन्हीं दस ग्रन्थकारों (लेखक) के नाम व उनकी रचनाओं(किताबों) के नाम लिखें। अस्मद् व युष्मद् शब्दों के 'शब्द-रूप' सातों विभक्तियों में लिखें ।</p>
8.	G.K	Learn Chapters 1 to 10