GURU HAR RAI ACADEMY
HOLIDAY HOME WORK [2018-2019]
CLASS: - VII

SUBJECT ⬇	⬇ HOME WORK ⬇
ENGLISH	# Make a magazine for children aged between 9 to 12 years. • Choose an interesting name for your magazine.　　• Make a colorful cover page. • It must have index.　　• The magazine can comprise of 12 – 15 pages**.** • Any five topics can be chosen out of these. **i)** Current affairs　　**ii)** An interview of important personality　　**iii)** Health　　**iv)** Recipes **v)** Amazing facts　　**vi)** Description of historical place　　**vii)** Nutrition　　**viii)** Jokes **ix)** Sports　　**x)** Articles # Include advertisements in your magazine that are drawn by you.
BIOLOGY	# Make two picture card one each vertebrate and invertebrate and write detail information of the Organism displayed.
CHEMISTRY	# Collect any 10 metals and write their uses. # Name 10 Alloys, write their names, composition, use and cost in the market.
PHYSICS	# Collect various types of leaves from the garden. Measure their area using the graph paper. Paste the graph Paper on the file sheets. # Observe your surroundings and list 20 objects that are moving or at rest. Also identify the various types of Motion exhibited by the moving objects. (on the file sheets)
MATHS	# Sheet given.
GEOGRAPHY	# Draw conventional signs and symbols for roads metalled, unmetalled, streams, Dams, River banks, Railways, Contours, Huts, Boundary, Palms, Forests on a chart paper.
HISTORY / CIVICS	# Paste the pictures of monuments which were built in Uttar Pradesh and name the builder. (In note book)
COMPUTER	# Collect pictures of the various internal and external hardware devices and paste them on a chart paper . # Prepare a table in MS- excel to represent marks of 5 subjects of 10 of your friends. The subject includes English, Hindi, Maths, Science and Computers. Calculate the total marks obtained by each of your friend. Take the screen shot of MS-excel window through spinning tool and paste it in your note book.
HINDI	# वर्तमान युग में मोबाइल जीवन की आवश्यकता बन गया है इस विषय पर अपने विचार प्रकट कीजिये तथा बताइये की मोबाइल जीवन में सुविधा के साथ - साथ परेशानी किस प्रकार बन गया है | # किसी ऐतिहासिक स्थल की यात्रा का वर्णन करते हुए उस स्थल के महत्व का वर्णन कीजिये तथा वहां क्या अविस्मरणीय था? कुछ चित्रों द्वारा वहां के सौंदर्य पर प्रकाश डालिये | # आज के युग में विज्ञापनों का क्या औचित्य है ? इससे समाज को क्या लाभ मिल रहा है ? पाँच विज्ञापन स्वयं लिखें तथा उनसे सम्बंधित चित्र भी बनायें | # वन समाज की धरोहर है उनके संरक्षण के लिए आपने अब तक क्या प्रयास किये है? वृक्षारोपण तथा उनके संरक्षण के लिए कुछ सुझाव भी दीजिये |उपर्युक्त विषयों में से किसी दो विषय पर अपने विचार हिंदी व्याकरण कॉपी में लिखें	
SANSKRIT	# उपयोगी शब्दावली से सब्जियों तथा पशुओं के नाम (संस्कृत में) आकर्षक चित्रों सहित लिखें	

Note:-
* **Do all the homework's in one single scrap book.**
* **Learn the syllabus of all the subjects for 1st Unit Test**

CHAPTER- 1

Q.1. Evaluate:-

a) $5+ [14 \div (-7) - \{ 6 \times (\overline{5+1} \times 4)\}]$

b) $(-7)+(-6) \div 2 - \{(-5) \times (-4) - (3-5)\}$

Q.2. Verify:-

a) $(-20) \times [(-4) + (-3)] = (-20) \times (-4) + (-20) \times (-3)$

Q.3. Write all the integers b/w 50 and 80 that are divisible by 4.

Q.4. The sum of two integers is -10. If one of them is 20. Find the other.

Q.5. What number should be added to -3 so that its value becomes equal to +3?

CHAPTER – 3

Q.1. Arrange number following in given orders:-

a) $\frac{4}{6}, \frac{3}{8}, \frac{6}{12}, \frac{5}{16}$ [Ascending order]

b) $\frac{2}{7}, \frac{11}{35}, \frac{9}{14}, \frac{13}{28}$ [Descending order]

Q.2. Simplify:-

a) $2\frac{1}{3} + 3\frac{2}{3} - 4\frac{1}{3} + 7\frac{2}{7} - \frac{1}{14}$

b) $\frac{2}{5} \times \frac{5}{4} + \frac{5}{13} \div \frac{7}{26}$

c) $\frac{1}{4} - (\frac{13}{2} \ of \ \frac{4}{39} \ ) + \frac{1}{2}$

d) $(1 + \frac{1}{10} - \frac{9}{15} \ ) \div (1\frac{1}{4} \div 1\frac{1}{2})$

Q.3. A man earns Rs 15000 per month. He spends $\frac{4}{15}$ on household goods and $\frac{7}{30}$ on the education of their children. How much does he save.

Q.4. Divide $2\frac{2}{7}$ by the product of $1\frac{4}{11}$ and $2\frac{4}{9}$ and find the quotient

CHAPTER – 4 (Decimals)

Q.1. Find the product:-

a) 6.7 X 3.11 X 4.42   **b)** 0.015 X 0.001

Q.2. Divide:-

a) 132.12 ÷ 1000   **b)** 6.225 ÷ 1.8   **c)** 227.25 ÷ 15

Q.3. Represent as a terminating and non – terminating decimal:-

a) $\frac{89}{6}$ **b)** $\frac{9}{11}$

Q.4. Express these repeating decimals as rational numbers:-

a) $0.1\overline{12}$ **b)** $2.0\overline{7}$ **c)** $0.\overline{008}$

Q.5. The product of two decimal is 1.8576. if one of the decimals is 0.54, find the other.

Q.6. Evaluate:-

a) $4.89 - 43.2 \div 10$ **b)** 0.5 + 5.55 – 55.555 + 555.5555 – 5.55555

CHAPTER – 13 (Sets)

Q.1. Examine which of the following sets are singleton, empty or infinite sets:

a) The set of men which has 13 fingers.   **b) The set of whole no. which are less than 1.**

c) {x : x ∈ W , Which are greater Than 39 }

Q.2. A = {Prime factors of 100}   B = { x:x ∈ I and -7 < x < 20 }

   C = {x:x is a perfect square no., X ∈ N and x < 40 }

Find :- (a) n (A)   (b) n (A U B)   (c) A – B   d) A ∩ C   e) A U B ∩ C

Q.3. Write the following sets:-

   [In set – builder form]

a) {m, a, t. h. s }   b) {5, 25, 125 ….}

   [In roster form]

c) Set of odd whole no b/w 15 and 27   d) A = Set of factors of 24.

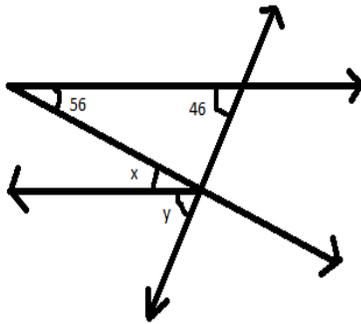 **Q.4. If A = {a, b, c, d} and B = {b, c, e} verify that:-**

   n (A U B) + n(A ∩ B) = n(A) + n (B)
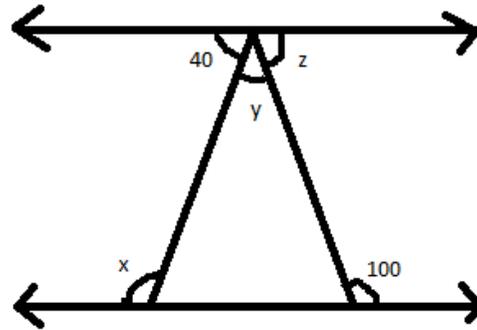
Q.1. In the given figure find angles x and y:-

a)   b)

Q.2. 10 % of x is the complement of 40% of 2x. Find x.

Q.3. Construct an angle of 75^0 an then bisect it.

Q.1. Given below are the ages (in years) of 25 persons in a small locality. Prepare a frequency distribution table.

    40, 41, 41, 39, 42, 42, 41, 40, 40, 41, 41, 42, 40, 41, 41, 39, 41, 40, 39, 40, 41, 41, 40, 40, 39, 40

a) Determine the range-

b) How many person are below 41 years.

c) Find mean and median, the mode

Q.2. The mean of 5 observation X + 3, x + 5, x + 7, x + 9, and x + 11 is 14. Find.

i) The value of x

ii) The mean of last three observations.

Q.3. The mean of 15 observation Is 200. If one Observation is excluded the mean of remaining Observation Is 198. Find the value of the excluded Observation.

Q.4. The following table shows the market positions of some brands of soap. Draw a suitable bar graph.

Soap (Brands)	A	B	C	D	E
No of buyers	51	27	15	24	18

Project work:-

Q.1. Make a project to show the importance of maths in life .(7 A & C ROLL NO 1 TO 13)

Q.2. Prepare a maths dictionary using mathematical figures. (7 A & C ROLL NO 14 TO 26)

Q.3. Make maths project file. (7 A & C ROLL NO 27 TO 40)

   • **Note down the temperature of the month of June and make a bar graph using the degrees of daily temperature.**

   • **Calculate the average temperature weekly and monthly.**

Q.4. With the use of card board Represent the real number system.(7 B & D ROLL NO 1 TO 13)

Q.5. Make different kinds of triangles and quadrilateral's with the use of Card- board.(7 B & D ROLL NO 14 TO 26)

Q.6. Make 6 cubes of different dimensions Arrange them in different ways and calculate volume according to their shapes. (7 B & D ROLL NO 27 TO 38)