KALI RAM DAV PUBLIC SCHOOL , SAFIDON HOLIDAYS HOMEWORK 2019-20 CLASS VIII

COMPUTER

1. Make a chart on various search engines. (Roll no. 1 to 25) 2. Make a chart on types of cables used in networking. (Roll no. 25 on-wards) 3. Learn whole classwork done in book, there will be oral test after
holidays. ....
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ENGLISH Literature =

Learn ch- 1 to3 (Question / Answer) Practice book = Do
practice of Tenses and Models in Evergreen (Grammer)
practice paper Writing Skill= Worksheet -2 (Notice Writing)
**   Worksheet -5 (Dairy entry) Worksheet -11 (Informal letter) Worksheet-15 (E-mail)**
** Worksheet- 17 (Artical writing) Project work = Holiday assignment (1 to 4) in**
Evergreen. ....
.... MATHS 1. How many Non Squares Numbers lie between 90^2 and 91^2 ?

2. If x varies inversely as y and y=60 when x=1.5. Find x when y=4.5

3. Simplify using suitable identity: (1.5x+3) (1.5x -3)

4. Evaluate : √175 **x** √28

5. Find the value of 3√686/2662

6. Find the original price of washing machine which was brought for rupees 13500 inclusive of 8% GST

7. Factorize : y^2-2y-15

8. The area of square plot is 101 1/400 m². Find the length of one side of the plot.

9. Evaluate $3\sqrt{0.512}/0.343$ divide $\sqrt{0.64}/0.49 +1$

10. Difference of the two numbers which are perfect cube is 189. If the cube root of the smaller of the two number,is 3 find the cube root of the larger number.

11. A train 270 meter long is running at 80km/hr. How much time will it take to cross a bridge 130 meter long?

12. Shabhnam takes 20 min. to reach her school, if she goes at a speed of 6km/hr if she want to reach school in 24min. What should be her speed in km/hr.

13. The marked price of an article rupees 500. the shopkeeper gives a discount of 5% and still makes a profit of 25% find the cost price of the article.

14. Factorize :- $9x^2+4y^2+16z^2+12xy-16yz-24xz$.

15. Factorize :- $x^2-1-6y-9y^2$.

16. Simplify :- $(6a+5b+4c)^2-(6a-5b-4c)^2$

17. A general wishes to drawn up his 7500 soldiers in the form of a largest square. After arranging,he found out that some of them are left out. How many soldiers were left out?

18. The length and breadth of a rectangular field are 405 meter and 80 meter respectively. Find the length of each side of square playground whose area is equal to area of rectangular field.

19. Find the least no. of 4 digits which is perfect square. Find the square root of this number.

20. A garrison of 900 men had provisions for 50 days. After 8 days,a reinforcement of 500 men arrived for how many days will the food last now?

21. Akshina sold two coolers for rupees 3990 each. On selling one cooler she gained 5% and on selling the other. She suffered a loss of 5% find their overall gain or loss% in whole transaction.

22. What price a shopkeeper marks on an article that costs him rupees 600 to gain of 20% after allowing a discount of 10%?

23. If x-1/x=7 Then find the value of x^2+1/x^2 and x^4+1/x^4

24. A dealer allows a discount of 16% to his customer and still gain 5% if the marked price of table is rupees 1500 find the cost price of the table.

25 If 13 men can do a piece of work in 140 days. In how many days,28 men will do it? How many men will be required to complete the work in 35 days?

26 Find the square root of 11025 by prime factorization method.

Q-27 Find the value of $\sqrt{243}/\sqrt{867}$,using prime factorization method.

Q-28 Find the cube root of -3375.
Q-29 Evaluate : $3\sqrt{100}$ **x** $3\sqrt{270}$.

Q-30 Find the least number of six digits number which is a perfect square. Also find the square root of this number.

Q-31 Find the square root of 147.1369.

Q-32 What is the smallest number by which is a perfect square. Also find the square root of this number.

Q-33 Evaluate : $3\sqrt{(-1728)}$ **x** (-2197).

Q-34 A car travels 60 km in 1 hour 30 min. How long will it take to cover a distance of 100km at the same speed?

Q-35 Ramesh can finish his work in 25 days,working 8 hours a day. If he want to finish the same work in 20 days,how many hours should he work in a day.

Q-36 Ankit sold two jeans for rupees 990 each. On one he gains 10% and on the other he

loses 10% . Find the gain or loss% in the whole transaction.

Q-37 Factorize : $p^2-pq-6q^2$.

Q-38 Find the square of $(2)1/5$ correct to the three places of decimal.

Q-39 A train 400m long is running at the speed of 72km/hr. How much time does it take to cross a 200m long bridge?

Q-40 A garrison of 120 men has provision for 30 days. At the end of the 5 days ,5 more men joined them. How many days can they sustain on the remaining provision.

Q-41 The marked price of a double bed is rupees 9575. A shopkeeper allows a discount of 12% on its marked price and still gains 10%. Find the cost price of the double bed.

Q-42 Mira brought an A.C. For rupees 22000 including GST tax of 12%. Find the price of the A.C. Before GST was added.

Q-43 Rohan bought some cricket balls at the rate of rupees 250 for 4 balls and sold them at the rate of rupees 340 for 5 balls. Find his gain or loss%.

Q-44 Factorize : $2x^2+5y^2+z^2-2\sqrt{10}xy-2\sqrt{5}yz+2\sqrt{2}zx$. **Q-45** If 5x-2y=7 and xy=2 then find the value of (5x+2y)

Q-46 Find c so that the triplet (5,12,c) becomes a Pythagorean triplet.

Q-47Find $\sqrt{8281}$ by prime factorization Q-48Find the smallest natural number by which 392 must be multiplied so that the product is perfect cube.

Q-49 If cost of 18 mango is the as the selling price of 16 mango, find gain percent.
Q-50 Find a in the following table when :-

x 2 5 y 10 a

Q-51 In 25 days earthquake up 6×10^8 pounds of dust from the atmosphere. How much dust will it pick up in 15 days.

Q-52 Find the greater no. of 4 digit which is perfect square.

Q-53 Evaluate:- $\sqrt[3]{1512/2404}$

Q-54 $(a^2-b^2)(a^2+b^2)-(a^2-b^2)$

Q-55 There are 100 students in a hostel. Food provision for them is for 20 days. How long will

these provision 200 students left the hostel.

Q-56 A shopkeeper purchase 200 bulbs for Rs.10 each. However 5 bulbs were fused and had to

been thrown away. The remaining were sold at Rs.12 each. Find the gain or loss percent.

Q-57 Sohan bought a second-hand refrigerator for 2500 then spent Rs.500 on its repair and sold it

for 3300. Find the gain or loss percent.

Q-58 If 5x-2y=7 and xy=2. Find the value of $(5x+2y)^2$.

Q-59 Evaluate:- $\sqrt[3]{0.008/0.27} + \sqrt[3]{512} \times 27/16$

Q-60 A gardener has 1000 plants. He wants to plant in such a way that the no. of rows and the no.

of coloum remain same. Find minimum no. of plant more for this.

Q-61 Bhavti bought two fans for 1200 each. She sold one at a loss of 5% and the other at a profit

of 10%. Find total profit or loss.

Q-62 Sunita allows 8% discount on the market price of a suit and still makes a profit of 15%.

If

her gain over the sail of suit is Rs.156. find the marked price.

Q-63 A train 120m long is running at a speed of 50km/h. what time it take to cross a 130m long

bridge.

Q-64 After allowing a discount of 12% on the marked price of an article it is sold for Rs.880 then

the marked price of an article is:

Q-65 (y-5) (y+9) is equal to.

Q-66 Simplify: $\sqrt{99}$ x $\sqrt{396}$

Q-67 Find the smallest no. by which 1100 must be multiplied so that the product becomes a
perfect square.

Q-68 Simplify: $\sqrt[3]{3375}$ x (-729).

Q-69 Find the smallest number by which 8192 must be divided to get a perfect cube.

Q-70 The length and breadth of a rectangular field are 405m and 80m respectively. Find the

length of each side of a square playground and whose is equal to the area of the rectangular field.

Q-71 Find the square root of 2.5 correct to 2 decimal places.

Q-72 Evaluate: $\sqrt[3]{0.512/0.343} \div \sqrt{0.64/0.49}$

Q-73 Find the smallest number by which must 5400 be multiplied to make it a perfect cube?

Q-74 A loaded truck travel 14 km in 25 minutes. If the speed remain same how far will it travel in 75 minutes. 30. In a camp there is enough provision for 500 students for 30 days. If 100

students more join the camp for how many days the provision last now?

Q-75 Rajan purchased 250 packets of blades at the rate of Rs.8 per packet. He sold 70% of the packets at the Rs.11 per packets and remaining at the rate of Rs. 9 per packets. Find his gain %.

Q-76 Factorize: $p^2-3pq+2q^2$.

Q-77 Factorize: $(16x^2-24xy-9y^2)-25z^2$.

Q-78 A shopkeeper has enough money to buy 40 books each costing Rs.125. How many books he can buy if he gets a discount of Rs.25 on each book.

Q-79 A train 270m long running at the speed at 80km/h. How much time will it takes to cross a bridge 130m long.

Q-80 A man sells an article at the profit of 25%. if he had bought it at 20% less and sold it for Rs.36.75 an less he would have gained 30%. find the cost price of the article.

Q-81 Find the product using suitable identity:

$$[x+ 1/x] [x- 1/x] [x^2+ 1/x^2] [x^4+ 1/x^4]$$

Q-82 If 3x-2y=7 and xy=3 then find the value of $(3x+2y)^2$

Q-83 Naveen bought some cricket balls at Rs.250 for 4 balls and sold them at Rs.340 for 5 balls. Find the gain or loss percent.

Q-84 Evaluate: $\sqrt[3]{121}$ x $\sqrt[3]{297}$

Q-85 Using a suitable identity, expand the following:

$(\sqrt{3}x-\sqrt{2}y-7)^2$ Q-86 The area of square field is 441m^2. Find its perimeter.

Q-87 Ravi bought a leather coat costing Rs.900 at Rs.990 after paying GST calculate the rate

of GST charged on the coat.

Q-88 What is the value of $2x$ if $x^3 = 21977$.

Q-89 Find the square root of 844.4836 by long division
method.

Q-90 Find the smallest number by which 2925 must be divided so it becomes a perfect
square. Also find the square root of the resulting number.

Q-91 Sonia types 650 words in 1 hours. How many word she types in 40
minutes.

Q-92 A fruit seller bought bananas at Rs.45 per dozen and sold them at Rs.45 per 10
bananas. Find the gain or loss %.

Q-93 If 13 men do a piece of work in 140 days. In how many days 28 men do it? How many
men will be required to complete the work in 35 days?

Q-94 Virat have enough money to buy 72 machines worth Rs.200 each. How many machines
can he bought, if he got 10% discount on each machines.

Q-95 A man sold tables for Rs.2970 each. On once he gained 10% while on other he lost
10%. how much percent did he gain or loss in the whole transaction.

Q-96 How much a shopkeeper must mark his goods so that after allowing a discount of 25%
on the marked price so, he gains 20%. If the cost price of goods is Rs.20,000.

Q-97 Factories: $4(x+y)^2 - 28(x^2-y^2) + 49(x-y)^2$

. Q-98 Simplify by using

suitable identity:
211x189-
106x93.

Q-99 Evaluate by using suitable identity.

8.63 x 8.63 – 1.37 x 1.37 / 0.726

Q100 Find the value of $^3\sqrt{1.728}$/ $^3\sqrt{2.7445}$+1/ $^3\sqrt{343}$.

NOTE-: 1. Do assignment questions in assignment notebook properly. 2. Prepare a project in scrap book using flash cards based on formulas of profit,loss and discount and Direct and Inverse variation. 3. Learn squares of 1 to 30 and cubes 1 to 20 numbers.

U.T. SYLLABUS-: Revise Chapter 1,4(prepare yourself)

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PUNJABI

• **Writing work:-**

• Do 10 Pages of Punjabi Writing.

• Write Punjabi maatra name with symbols.(10Time)

• Write Number **(Page 44,45,46)** Correct the error **(Page 28,29,30,31)** in holiday homework notebook.

Learning Work:-

• Learn First U.T Syllabus -**Reader-(**L-1,2,3) **, Grammar -(Number-** 44,45,46 **Correct the error** 28,29,30,31 **and Application.)**

Project work:-

• **Write 15 News headlines in Punjabi (With the help of**

internet.) ....

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SANSKRIT 1-

सेव,लभ,शुभ,रूच,धातुरूप लट, लृट,लंग लकार में याद करके उत्तरपुस्तिका में लिखों । 2. अपनी संस्कृत की पाठयपुस्तक सुरभि से 1 से 4 में से 10–10 कठिन शब्दों को संस्कृत की उत्तरपुस्तिका में लिखों व अभ्यास कार्य याद कीजिए । 3. 1 से 100 तक संख्याओं को संस्कृत में लिखें व याद करें । 4. पाठय पुस्तक की पृष्ठ संख्या 143 से 150 तक के पत्र अपनी उत्तरपुस्तिका में लिखें ।

5. पाठय पुस्तक की पृष्ठ संख्या 151से 156 तक के चित्र देखकर पॉच – पॉच वाक्य बनाए।

नैतिक शिक्षा 1 पाठय पुस्तक के आधार पर प्रत्येक पाठ में से कम से कम पॉच लघुत्तरीय प्रश्नों का निर्माण करो। 2. पाठय पुस्तक के आधार पर प्रत्येक पाठ में से कम से कम पॉच 1⁄4एक वाक्य में उत्तर वाले 1⁄2 प्रश्नों का निर्माण करो। 3. पाठ 1 से 6 तक के पाठों के प्रश्न नोत्तर याद करें | ....

··· Science

1.Learn Ch-1 to 5. (for unit test) 2.Solve value based questions of Ch-1 to 5.

3.Project work

a) Design your own barometer to predict weather. b) Do activity on Pg-35,36.

c) Make a chart or model of plant or animal

cell . 4. Prepare the internal questions of following chapters

   a) Ch-3 (Metal and Non
   metal) b) Ch-4 (Force and
   Pressure) c) Ch-5 (Friction)

ASSIGNMENT CH-3 1. What is metallurgy? Write the various steps involved in metallurgy. 2. Compare the physical properties of metal and non metals. 3. What happen when you dip a magnesium ribbon in copper sulphate solution. Write its chemical equation also. 4. How is alloy better than metal? 5. Write the composition of following alloy and mention their uses also.
a) Duralumin b) Stainless steel c)
Bronze 6. Mention one use of each
non metal
a) Sulphur b) Graphite c)Nitrogen 7. Define metalloids. Give two examples of each. 8. Write an activity to show that metal oxide are acidic in nature.

ASSIGNMENT CH-4 1.Write some application to decrease pressure of a given force by increasing surface area. 2.What are the properties of liquid pressure. 3. Mention some applications related to make use of air pressure in our day to day life. 4. Why do we not feel atmospheric pressure acting on us all the time?

ASSIGNMENT CH-5 1. Which Surface has more friction -rough or smooth? Why? 2. What is function of ridges on your palm and bottom of your feet ? 3. Why do we slip on a muddy road and when we step on a banana peel? 4. Give three factors on which the frictional force in fluids depend ? 5. Give three harmful effect of friction ? 6. Why is friction essential ?give three examples? 7. (a) How do trees help to reduce friction ?

   (b) why do meteors burn on entering the atmosphere? 8. State any three ways by which friction can be reduced ? 9. What is meant by lubrication ? Why do we lubricate the moving part of our vehicles?

Name some lubricants and where they are used?