



John Wesley Convent, Rohtak

Summer Vacation Home Work (2021-22)

Class : VII

Hurrah!

Break Time.....

General Instructions:

- Do your holidays homework in a very neat and tidy manner.
- Do the written work in separate notebook.
- Parents should converse most of the time in English with their wards.
- Submission date for the assignment as per subjectwise dates mentioned below:

Subject	Date of Submission
English	01.07.2021
Science & E.V.S.	02.07.2021
A&C, I.T. and G.K.	03.07.2021
Social Science	05.07.2021
Hindi & Sanskrit	06.07.2021
Maths	07.07.2021

- Do the work given in separate note book.

English

Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time.

1. Project Work :

Do the project according to the roll number allotted:

- Design a colourful poster for a rally to promote peace in our country. Paste pictures or make colourful drawings to high light your message. (Roll No 1 to 15)
- During COVID-19 our mission is/was to protect our Earth planet and Human's by our actions based on values and ethics rather than personal gain. Keeping the above message in mind prepare a chart to highlight the effects of COVID-19 and ways to curb it. (Roll no 16 onwards)

2. Revision Work:

Literature

- Revise Chapter 1 (A Working Boy at Eight), Chapter-2 (The Tremendous Tree) and Chapter -3 (Tsunami- The Night of Killer Wave)

Grammar

- Revise Simile and Metaphor, Clauses and Phrases, Simple and Compound sentences, Nouns and Pronouns

Writing

- Practice Describing a Person, Writing a Poster, Writing a News Report..

Maths:

1. Complete your Mathsnotebook and Practice Book .
Chapter-1 Integers
Chapter-2 Fractions and Decimals

Chapter-3 Data Handling

Chapter-4 Simple Equations

2. Learn tables 2-25.
3. Revise Chapter-1,2,3 and 4.
4. Do the given assignment based on Chapter-1,2,3 and 4.
5. Project work:-
 - Make a wheel on Types of Numbers.(Roll number 1-8)
 - Colourful and attractive Project on Equivalent Fraction.(Roll number 9-16)
 - Make a wheel showing Fraction and Decimal.(Roll number 17-23)
 - Make a bar graph showing Numbers of patients recovered due to Covid-19 in MetroPolitan cities (double bar graph) of year 2020 and 2021.(Roll number 24-30)

Science:

1. Revise syllabus done till date.
 - Ch- Nutrition in Plants
 - Ch-Nutrition in Animals
 - Ch-Fibre to Fabric
 - Ch- Heat
 - Ch -Acids,Bases and Salts
2. Prepare a research report on COVID-19 virus outbreak. You may include following points.
 - Symptoms, Spreadness, Vaccination.
 - How to boost immunity ?
 - Preventive measures-giving Do's and Don't's
 - Life after COVID-19
3. **Project Work:**
 - a) Make a collage on different types of fibres. (Roll no.1-10)
Prepare a collage by taking different types of fibres and write their properties and differentiate between natural and synthetic fibres
 - b) Make a natural indicator by using turmeric. (Roll no. 11-20)
Take a strip of white cloth and dip it in paste of turmeric for 1 day .
 - c) Make a model and PPT on alimentary canal. (Roll no.21-29)
Make a model using a cardboard/ chart as a base material or any waste material (wheat, pulses, beads) available at home on alimentary canal along with PPT explaining the various parts of alimentary canal.

Social Science:

1. Revise syllabus done till date
 - Ch- Regional Kingdoms (7th to 12th century)
 - Ch- Layers of the Earth
 - Ch- Internal and External Movements of the Earth
 - Ch- State Government
2. Millions of foreign tourists visit India every year. Tourist departments of state governments use a specific tag line to attract tourists to their states. Write tag lines of any ten states.
3. **TRIBUTES FROM SKY TO SEA**

The three wings of country's defence forces have joined hands together to show their gratitude towards the corona virus warriors. These Corona warriors, including doctors, nurses, hygiene and sanitation staff, police personnel, media and several others engaged in maintenance of essential services and supplies have steadfastly contributed to the effort to prevent spread of Covid-19. Prepare a web page showing corona virus warriors.

4. Prepare an assignment including five Terms, five Multiple Choice Questions, five Fill in the blanks from each chapter mentioned above.
5. In the political map of India show the following:
 - Pandyas
 - Chahamanas
 - Cholas
 - Cheras
 - Rashtrakutas
 - Gurjarapratiharas
 - River Narmada
 - River Tapi
6. Mark states and capitals in Indian political map.

Project Work

- (a) Read the life history of Prithviraj Chauhan from various sources (books or internet) and write in about 500-600 words explaining:
 - (i) Why he was not helped by other Rajput kings (especially Jaichand) in the second Battle of Tarain fought in 1192?
 - (ii) How this battle was a turning point in the history of India?(Roll no 1-7)
- (b) On a chart paper prepare a report on Chola art and architecture, paste/draw related pictures also. (Roll no 8-14)
- (c) Prepare a Rock cycle with waste material.(Roll no 15-21)
- (d) If a pandemic like Covid-19 strikes without any warning and family members and relatives are not at the same place. How will you get in touch with each other? Where will you meet etc? Keeping the above points in mind prepare a PPT. (Roll no -21 onwards)

Sanskrit:

1. प्रतिदिन संस्कृत पाठ्यपुस्तक का अध्ययन कीजिए।
2. उत्तर पुस्तिका में कराया गया कार्य पाठ 1 से 4 तक याद कीजिए।
3. व्याकरण कार्य – शब्द रूप एतत् पुल्लिङ्ग, मति, किम् पुल्लिङ्ग, धातुरूप चर, वस् लट्, लृट् लकार, संख्यावाचक (1 से 100 तक), अनुवाद के नियम और अनुवाद, प्रार्थना-पत्र, अलग उत्तर-पुस्तिका में लिखकर याद कीजिए।
4. अनुक्रमांक 1 से 10 नैतिक मूल्यों पर आधारित दो श्लोक अर्थ सहित A3 शीट पर लिखकर याद कीजिए।
5. अनुक्रमांक 11 से 20 विद्या की महिमा से संबंधित 2 श्लोक अर्थ सहित A3 सीट पर लिखकर याद कीजिए।
6. अनुक्रमांक 21 से 30 जीवन उपयोगी 2 श्लोक अर्थ सहित A3 शीट पर लिखकर याद कीजिए।

Hindi:

1. कार्य पुस्तिका में कराया गया कार्य दोहराएं।
2. प्रतिदिन समाचारपत्र पढ़ें व एक पत्रिका तैयार करें जिसमें वषय वस्तु, क वता, कोरोना समाचार, कहानी, चुटकुले, पहे लयां आदि शा मल हों और अपनी इस पत्रिका की पीडीएफ बनाकर गूगल क्लास रूम पर भेजें।
3. अपने घर के कसी सदस्य का साक्षात्कार लें व उसका audio record करें व उसे गूगल क्लास रूम में भेजें। (अनुक्रमांक 1 से 10 तक)
4. क्रया वषय 1/2 चार्ट पर तैयार करें व उसकी इमेज गूगल क्लास रूम में भेजें। (अनुक्रमांक 11 से 20 तक)
5. 'ऑनलाइन शक्षा' वषय पर निबंध लखें।

6. संकेत बिंदु- भू मका, ऑनलाइन शिक्षा के लाभ, ऑनलाइन शिक्षा के नियम, ऑनलाइन शिक्षा से होने वाले प्रभाव, उपसंहार। (अनुक्रमांक 21 से 38 तक)

Artificial Intelligence:

1. **Roll No.1 to 15**-Prepare a PPT(5-7 slides) on **AI-based Applications**(Smart Automobile, Smart Sensors, Space exploration, AI based defense robo helpers, Photo based search fraud detection)
2. **Roll No.16 to 30**- Prepare a PPT(5-7 slides) on **AI Based Inventions** (IBM Watson , IBM Deep Blue, Self Driven Car -Waymo, Amazon Alexa, Google Assistant, Humanoid).
3. **Learn** -Chapter-1&2 and learn assignment provided of same chapters.
4. Find &write at least 10 internal Q/A from(Chapter 3) in Fairnotebook.

G.K.:

1. **Learn Chapters**
 - a.Goddesses & Gods
 - b.Religion
 - c.Ramayana
2. **Project**
 - Project- Paste pictures of 10 Famous libraries of the world and write 10 lines about it. (Roll No. 1 -10)
 - Project – Paste pictures of 10 sacred buildings of the world and write 10 lines about it. (Roll no.11-20)
 - Project- Write 10 Science Facts. Write 10 lines on Renewable Sources. (Roll no.21 onwards)
3. **Activity**
 1. Cut and paste at least 2 news headlines daily under the column and paste it in a scrap book.
 - a. National News
 - b. International News
 - c. Sports News
 2. Note down the maximum & minimum temperature of one month, highlight the day with maximum temperature (weekly).

Art and Craft:

1. Draw &colour drawing book page no. 5, 14, 15, 16, 17&23 in your drawing file. (use only poster colours)
2. **Craft** – Use cardboard and make a beautiful pot.
Use 'Egg tray' and make beautiful flowers.
(As per the video shared in the classgroup.)



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Summer Vacation Assignments-Maths / Class...7..... Section.....

Name: _____ Roll No.: _____ Topic : Fractions and Decimals

1. Multiply: $-8.3 \times (-1.744) =$

2. Multiply: $-0.1 \times (-0.4) \times (-0.4) =$

3. Add : $-1.8 + (-1) + (-1.6) + (-5.6) =$

4. Write the fractions as decimals: $9 \frac{9}{50}$

5. Subtract: $-1.2 - (-1.0) - 4.1 =$

6. Add : $-1.3 + (-0.9) =$

7. Subtract: $-3.9 - 4.8 =$

8. Multiply: $-0.8 \times 0.3 \times 1 =$

9. Multiply: $-0.09 \times 0.11 =$

10. Subtract: $-3.9 - (-1.6) =$

11. Write the fractions as decimals: $\frac{1}{10}$



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Summer Vacation Assignments-Maths / Class...?..... Section.....

Name: _____ Roll No.: _____ Topic : Data Handling

Q1. Define the terms-

- a) data b) frequency of an observation c) mean of a data
d) median of a data e) mode of a data f) bar graph g) double bar graph

Q2. Prepare the frequency table for the following data:

5,2,1,3,4,4,5,6,2,2,4,5,5,6,2,2,4,5,5,1.

Q3. Find the mean of first five natural numbers.

Q4. Find the mean of first five prime numbers.

Q5. The ages (in years) of 50 players of a school are given below:

Age (yr)	14	15	16	17	18
No. of players	15	14	10	8	3

Find the mean age.

Q6. The weights of 10 students (kg) are:

40,52,34,47,31,35,48,41,44,38,42.

Find the median weight.

Q7. Calculate the median for the following data:

Marks	17	20	22	15	30	25
No. of students	5	9	4	3	10	6

Q8. Find the median of first 10 even numbers.

Q9. The ages (in years) of 11 cricket players are given below:

28,34,32,41,36,32,32,38,32,40,31.

Find the mode of ages.

Q10. Daily wages of 45 workers in a factory are given below:

Daily wages (in Rs.)	100	125	150	175	200
No. of workers	6	8	9	12	10

Find the median, mean and mode.



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Summer Vacation Assignments-Maths / Class...?..... Section.....

Name: _____ Roll No.: _____ Topic : Simple Equations

Question 1

Make equations for given statements :

- (a) 4 less from thrice a number m is 14.
- (b) A number x divided by 4 gives 3.
- (c) 7 less than a number x is 4.
- (d) Four fifths of a number. is greater than three fourth of the number by 4.
- (e) x exceeds 3 by 7

Question 2

Solve the equations :

- (a?) $3(x - 1) + 7 = 11$
- (b) $14 = \frac{7x}{10} - 8$
- (c?) $\frac{(x-3)}{5} - 2 = -1$
- (d) $20 - (2x - 5) = 25$
- (e) $\frac{(y-7)}{3} - 1 = 0$
- (f) $\frac{m}{4} - 7 = 3$
- (g) $3z + 11 = 41$
- (h) $4(x + 1) = 16$
- (i) $2x + \frac{1}{4} = \frac{7}{4}$
- (j) $4(x + 1) = 4$

Question 3

The length of a rectangle is three times its width. |
the perimeter of the rectangle is 96m, find the
length and breadth of the rectangle.

Question 4

If a number is tripled & the result is increased by 5
we get 50. Find the number.

Question 5

Fill in the blanks :

- (a) The value of the variable which makes the equations a true statement is called the _____ of the equation.
- (b) Any term of an equation may be taken from one side to the other with a change in its sign. This process is called _____.
- (c) An _____ is a statement of equality which contains one or more unknown variables.
- (d) Without changing the equality, we may _____ the same quantity to both side of the equation.

Question 6

If one side of a square is represented by $18x - 20$ and the adjacent side is represented by $42 - 13x$, find the length of the side of the square.

Question 7

$$- 2(x + 3) = 10$$

Question 8

In a class of 60 students, the number of girls is one third the number of boys. Find the number of girls and boys in the class.