The Jain World School, Mawar, Mati.

SUMMER HOLIDAY HOMEWORK ASSIGNMENT CLASS:-____

Sunshine on my mind, summertime in my soul."

Dear Parents!   Greetings!

- Summer vacation is probably the best time of the year for the little ones, It's time for loads of fun for them, we have planned out some simple & interesting activities for our students & they are in amalgamation of simple yet thoughtfully planned activities which promote critical skills amongst young learner . It's an art integrated protect based on scholastic & co-scholastic activities targeting competency based learning.

- Please note:- the term 1 assessment from the holiday homework . Students are to complete the activities & submit to their class teacher/subject teachers by the given date

s.no	Subject	Date
1	English/ Maths	08.07.24
2	Hindi/Science	09.07.24
3	Sst/Evs	10.07.24
4	Computer/Physics	11.07.24
5	Chemistry / Biology	12.07.24
6	Jeevan Kaushal	13.07.24

- *All the activities & the use of internet for doing the activities to be done strictly under the supervision of parents.

- *Practice sheets will be uploaded in the class groups and school website   www.tjws.in

- *The home assignment

- is of 10 marks failing to submit n the given date will result in Absent marking in the records & no marks will be given.

Dear Parents,

- IN ADDITION TO THE HOLIDAYS HOMEWORK ACTIVITIES, WE WOULD ALSO SUGGEST THE FOLLOWING ACTIVITIES FOR STUDENTS:- THE STUDENTS TO PRACTICE WRITING ONE PAGE OF ENGLISH & HINDI IN A SEPARATE NOTEBOOK ON AN ALTERNATE BASIS DUING THE HOLIDAYS & THE SAME HAS TO BE BROUGHT TO SCOOL ON REOPENING.THE STUDENTS TO BE GUIDED TO READ SIMPLE STORY BOOKS WITH SHORT SENTENCES & BOLD ILLUSTRATIONS . PARENTS CAN ALSO LOG INTO STORY WEAVER HTTPS://STORYWEAVER.ORG.IN/ . THE APP HAS SHORT INTERESTING & AGE APPROPRIATE STORIES FOR ALL THE AGE GROUP & IN ALL LANGUAGES. THE STUDENTS TO ALSO FOLLOW A DAILY ROUTINE OF EXERCISES AT HOME TO KEEP THEMSELVES FIT & STRONG

- YOUTUBE LINK FOR REFERENCE -: https://youtu.be/fb5-7+lix-1

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ASSIGNMENT INFORMATION

SUBJECT	HOMEWORK	NOTEBOOK/BOOK
HINDI		
ENGLISH		
MATHS		
SCIENCE		
IT		
SPORTS		

- <u>**Note :-**</u>

- **HINDI (PROBLEM SOLVING AND WRITING SKILLS):-**

- <u>(हिन्दी) :</u> <u>ग्रीष्मावकाश गृहकार्य :-</u>

- <u>**आवश्यक निर्देश**</u> :-
-     बच्चों ! निम्नलिखित शीर्षक के अंतर्गत संकेत बिंदुओं के आधारित एक पोर्टफोलियो कवर पेज के साथ तैयार कीजिए।
- कार्य सुरुचि पूर्वक होना चाहिए ।
- 1. अभिस्वीकृति (acknowledge ment)
- 2. व्यक्तिगत जानकारी _ अपना नाम, कक्षा, विद्यालय का नाम, माता _ पिता का नाम, घर का पता , शौक
- 3. आपकी उपलब्धियां, आपकी कमियां
- 1.निम्नलिखित विषयों में से किसी एक विषय पर 120 शब्दों में अनुच्छेद लेखन लिखिए
- क- मिट्टी तेरे रूप अनेक रुप
- संकेत बिंदु- सामान्य धारणा
- मानव शरीर की रचना के लिए आवश्यक
- जीवन का आधार
- कल्याणकारी रूप
-          अथवा
- ख.नर हो न निराश करो मन को
- संकेत बिंदु-आत्मविश्वास और सफलता
- आशा से संघर्ष में विजय
- कुछ भी असंभव नहीं
- महापुरुषों की सफलता का आधार।
- 2- नेताजी सुभाष चंद्र बोस का चित्र लगाकर उनके बारे में लिखिए।
- 3 एक सुविचार लिखिए जो आपको प्रेरणा देता हो।
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ENGLISH (CONCEPTUAL/UNDERSTANDING LEARNING AND CRITICAL THINKING):-

General Instructions:-

· Q1 to be done on an A-4 size sheet.

· Do Q3 to Q6 in your English Grammar notebook.

· Attempt all the questions and do them neatly.

Q1. Poster Making:

Make a poster portraying your thoughts and point of view on: "Love for freedom is the natural instinct of every living being." You may read Leslie Norris's A Tiger in the Zoo for your reference.

Q2.Travel Brochure

Research about places to visit in Sikkim and prepare a Travel Brochure of any one place describing the location, ways to reach there, weather, best time to visit, hotels, the flora and fauna, food, suggested activities, culture etc.

It should be handwritten. There should be 4-5 pages, where you may draw or paste some pictures associated with that place. Draw borders around the pictures if they are pasted. Give details about the same.

Each picture in the broucher should have a CAPTION (photo, caption also known as cutline , a line of text used to explain and elaborate a photograph).

Q3. Framing 20 MCQs from the lessons:

● A Letter to God

● A Triumph of Surgery

● Dust of Snow

● Fire and Ice

MATHS (PROBLEM SOLVING AND CONCEPTUAL LEARNING):-

Do the given worksheet given as follows :-

Maths (Worksheet) -Chapter : Mixed Problem :-

1. Find the HCF of 96 and 404 by the prime factorization method. Hence, find their LCM.

2. The LCM of two numbers is 740 and their HCF is 37. If one of them is 185, find the other number.

3. Find the zeros of the quadratic polynomial $x^2 + 7x + 10$, and verify the relationship between the zeros and the coefficients.

4. Find the zeros of the polynomial $x^2 - 3$ and verify the relationship between the zeros and the coefficients.

5. Find a quadratic polynomial whose zeros are 2 and –6. Verify the relationship between the zeros and the coefficients.

6. Find a quadratic polynomial, sum of whose zeros is -3 and their product is 2. Hence, find the zeros of the polynomial.

7. Verify that 3, –1 and $\frac{-1}{3}$ are the cubic polynomial $p(x) = 3x^3 - 5x^2 - 11x - 3$ and verify the relationship between the zeros and the coefficients.

8. Find a cubic polynomial whose zeros are 2, –3 and 4.

9. Find a cubic polynomial with the sum, sum of the product of its zeros taken two at a time, and the product of its zeros as 5, –2 and –24 respectively.

10. Solve for x and y using elimination method: $3x - 5y - 4 = 0$ and $9x = 2y + 7$.

11. Solve $2x + 3y = 11$ and $2x - 4y = -24$ and hence find the value of m for which $y = mx + 3$.

12. For what value of k does the pair of linear equations given below has unique solution?

 $kx + 2y = 3,$ $3x + 6y = 10$

13. For what value of k will the following pair of linear equations have infinitely many solutions?

 $2x + 3y = 7,$ $(k + 1)x + (2k - 1)y = 4k + 1$

14. For what value of k will the following pair of linear equations have infinitely many solutions?

$kx + 3y - (k - 3) = 0$, $\qquad 12x + ky - k = 0=$

15. For what value of k will the following pair of linear equations have no solution?

$3x + y = 1$, $\qquad\qquad (2k - 1)x + (k - 1)y = 2k + 1$

16. For what value of k will the following pair of linear equations have no solution?

$x + 2y = 5$, $\qquad\qquad 3x + ky - 15 = 0$.

17. Half the perimeter of a rectangular garden, whose length is 4 m more than its width, is 36 m. Find the dimensions of the garden.

18. The taxi charges in a city consist of a fixed charge together with the charge for the distance covered. For a distance of 10 km, the charge paid is Rs. 105 and for a journey of 15 km, the charge paid is Rs. 155. What are the fixed charges and the charge per km? How much does a person have to pay for travelling a distance of 25 km?

19. Five years hence, the age of Jacob will be three times that of his son. Five years ago, Jacob's age was seven times that of his son. What are their present ages?

20. A fraction becomes $\frac{1}{3}$, if 2 is added to both of its numerator and denominator. If 3 is added to both of its numerator and denominator then it becomes $\frac{2}{5}$. Find the fraction.

21. The sum of the digits of a two-digit number is 9. Also, nine times this number is twice the numTber obtained by reversing the order of the digits. Find the number.

22. The sum of a two-digit number and the number obtained by reversing the digits is 66. If the digits of the number differ by 2, find the number. How many such numbers are there?

23. Place A and B are 100 km apart on a highway. One car starts from A and another from B at the same time. If the cars travel in the same direction at different speeds, they meet in 5 hours. If they travel towards each other, they meet in 1 hour. What are the speeds of the two cars?

24. Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu?

25. A lending library has a fixed charge for the first three days and an additional charge for each day thereafter. Saritha paid Rs. 27 for a book kept for seven days, while Susy paid Rs. For the book she kept for five days. Find the fixed charge and the charge for each extra day.

26. A train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey. Find the speed of the train.

27. Find the ratio in which the line 2x +y=4 divides the join of A(2,-2)and B (3,7). Also, find the coordinates of the point of their intersection.

28. The ratio in which the y-axis divides the line segment joining the points (5,-6) and (-1, -4). Also find the point of intersection.

29. In what ratio does the point (–4, 6) divide the line segment joining the points A (–6, 10) and B (3, –8)?

30. Find the coordinates of the point P which divides the join of A (4, -3) and B (9,7) in the ratio 3 : 2.

31. If (1, 2), (4, y), (x, 6) and (3,5) are the vertices of a parallelogram taken in order, find x and y.

32. Find the point on the x-axis which is equidistant from (2, -5) and (-2, 9).

33. Find a relation between x and y such that the point (x, y) is equidistant from the points (7, 1) and (3, 5).

34. Find the ratio in which the line segment joining A(1, -5) and B(-4, 5) is divided by the x-axis. Also find the point of division.

35. If A and B are (-2, -2) and (2, -4), respectively, find the coordinates of P such that AP = $\frac{3}{7}$ AB and P lies on the line segment AB.

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PHYSICS (PROBLEM SOLVING & CONCEPTUAL/UNDERSTANDING LEARNING):-

Dear parents,

Summer break is round the corner. And Vacations are the happiest time in students' lives. They relax and recoup to health and vitality. However, it is also time to do some fun –filled activities to make the vacations more rewarding.

Thus, here are some exercises to extend the in-school opportunities to learn:

SCIENTIFIC INVESTIGATION

1) Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.

2) Determination of the equivalent resistance of two resistors when connected in series and parallel.

3) Determination of the focal length of:

i) Concave mirror   ii) Convex lens by obtaining the image of a distant object

4) Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

5) Tracing the path of the rays of light through a glass prism.

Note: These experiments need to be written in Physics lab manual or Physics Practical notebook.

PROBLEM SOLVING

Solve the chapter end exercises of chapter "Electricity" in your Physics notebook.

CHEMISTRY (PROBLEM SOLVING AND CONCEPTUAL LEARNING):-

- 1. Performing and Observing the following reactions and classifying them into
- i) Decomposition reaction   ii) Displacement reaction and their actions on different salt solutions
- 2. i) Test of Acid and bases with litmus and PH paper.
-      ii) Action of solid sodium carbonate with acids and bases.
- 3. Observing the action of Zn,Fe,Cu and Al on the different salt Solution.
- i) $ZnSO_4(aq)$ ii) $FeSO_4(aq)$ iii) $CuSO_4(aq)$ iv) $Al_2(SO_4)_3(aq)$
- Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
- 4. Study of the following properties of acetic acid (ethanoic acid):
- i) Odour   ii) solubility in water   iii) effect on litmus   iv) reaction with Sodium Hydrogen Carbonate
- NOTE: All of above the given experiment write down your practical notebook (40 pages).
- 5. chapter-1 chemical reaction and equation :- Questions-Answers from last five years have to be attempted from this cahapter write down your chemistry notebook.

BIOLOGY:-(Skills: Experimental, Creative thinking and innovative):-

- Write these experiments in a practical notebook:-
- 1. Aim : Experimentally show that carbon dioxide given out during respiration.
- 2. Studying (a) binary fission in amoeba and (b) budding in yeast with the help of prepared slides.

SOCIAL SCIENCE (ANALYTICAL BASED PROJECT WORK):-

Prepare a project on "Consumer Right" (In File)

Pages must be added:-

1. School SGI Logo page with school name.

2. Certificate page.

3. Acknowledgement page.

4. Content page.

Content included

1. Introduction.

2. Objective.

3. Who is consumer.

4. Consumer protection and common problems faced by a consumer in market place.

5. Consumer movement in India.

6. Consumer Protection Act, 1986.

7. Learning to become a well-informed consumer:-
   (a) Consumer responsibility   (b) Quality standard marks

8. Conclusion.
   Note:- Related picture's must be pasted according to content.

INFORMATION TECHNOLOGY (TECHNOLOGY,DIGITAL LITERACY AND EXPERIENTIAL LEARNING):-
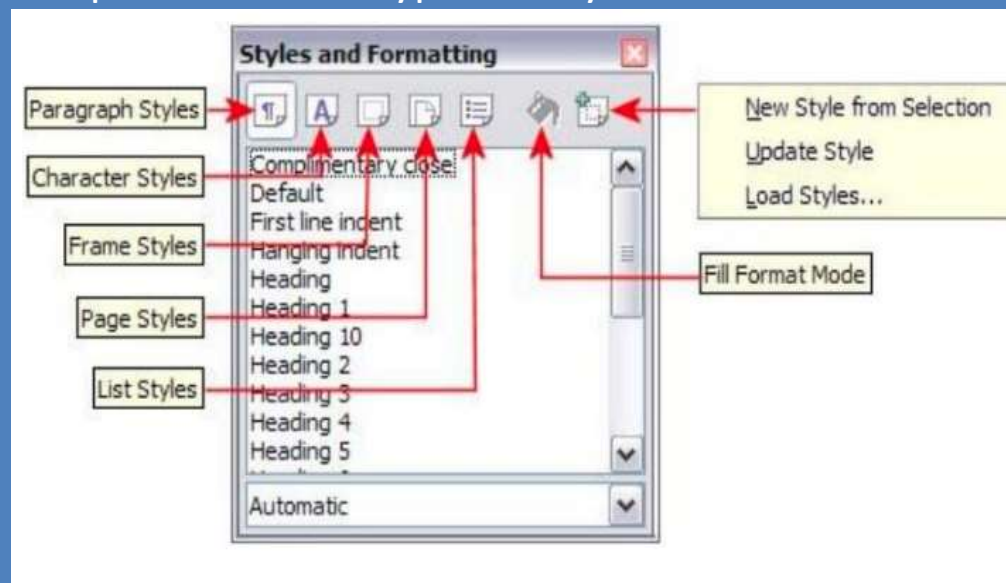
Task A)-

Unit 1 Digital Documentation Practical File Work General Instructions:

General Instructions:

● Write the following questions in Information Technology File.

● Write each question on new page, do not start any question from the middle of the page.

● Cover your practical file and it should be labelled properly.

● This file will be continued for the whole session.

● Paste the screenshots on blank page given with the questions.

Important Note:- On the above information submit file with acknowledgement , certificate , bibliography , etc. File should be designed carefully.

Q.1 Explain different types of Styles.

Q.2(a) How can we create our own styles?

Q.2(b) Write an article on ' Cybercrimes' in about 300 words by using Styles in a document.

Q.3 List any three methods of inserting images in a text document.

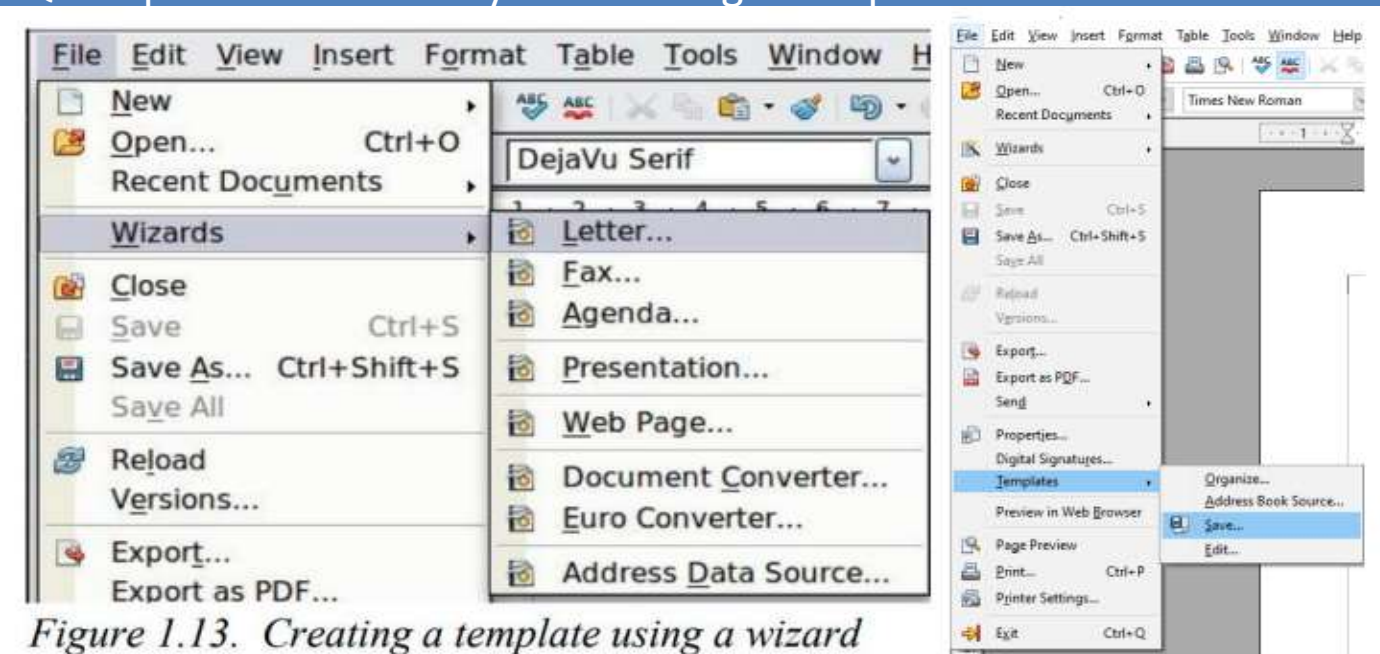**Q.4 Explain different ways of creating a template.**

Figure 1.13. Creating a template using a wizard

Q.5 Explain TOC.

Q.6 Your school is organizing an inter-school computer quiz. You are a member of the school quiz club. Hence, your teacher has asked you to create an invitation letter to invite various schools in the quiz. Use the Mail Merge Wizard to create the letter and merge it with the addresses of the schools by creating mailing labels

Q7. Design a poster on any '**Advance technology related to IT**' . Include appropriate images and drawing objects in poster by using adding graphics in a document.

Task B)-

Note :- Make a 3 D model based on various topic like :-

Artificial Intelligence,

- Chat GPT,

- 5G Technology,

- Computer System 3 D model

- Various Topologies like Ring,Star,Bus ,Mesh etc.

- Various types of Input devices.

- Various types of Output Devices

- Cloud Computing etc.

SPORTS:-

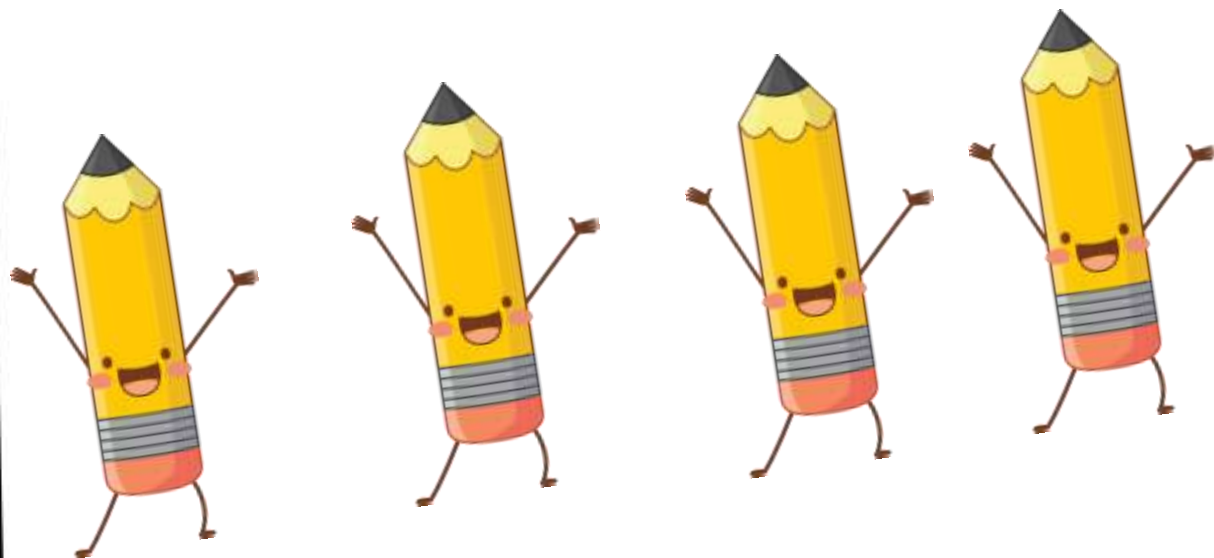Make the Yoga file paste different photos of Yoga Asana

1).Vajrasana

2).Dhanurasana

3).Bhujangasana

4).Trikonasana

5).Pranayama Find photos from magazine and newspaper you can take help of Internet.(Under Parental guidance)

ENJOY YOUR HOLIDAYS