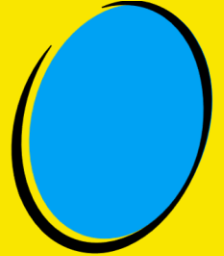
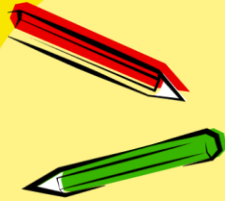


JPDAY PUBLIC SCHOOL

GARHI JHANJAHRA ROAD, GANOUR
(UNDER THE DIRECT CONTROL OF DAYCMC, NEW DELHI)



HOLIDAYS' HOMEWORK - 10th



Class:
10th



MAY 29, 2023
TO
JULY 01, 2023

SESSION: 2023-24

A fully English medium and the best school in area.
For all-round development of students

THE SCHOOL WILL REOPEN ON
JULY 03, 2023 (MONDAY).

TOGETHER WE CAN

ENGLISH:



NOTE: DO YOUR HW IN RESOURCE FILE ONLY

Create your Digital profolio with your images, achievements and all the activities done by you in your class.slides must be 13 to 14 in your portfolio.

2.Read any book and summarize it in the form of a PowerPoint Presentation. The slides

must be in the following order-

General Information about the book

Author's Description

Character Description

Summary

Moral or your intake from the story.

Note: You can include different pictures related to the text in the slides.

Presentation in

form of paragraphs will not be accepted.

Number of Slides: 12-15

3. Project



Research about the state Manipur and

Prepare a Travel project of the location, ways to reach there, weather, the best time to visit, flora and fauna, food, suggested activities, cultures, etc.

4.Write the letters on ruled punched sheets and submit in a file.

a. Tourism, one of the biggest and fastest-growing industries globally, affects the nation's economic, socio-cultural, environmental, and educational resources.

Improving the tourism industry in India would thus lead to National Development in many spheres. As Ankit/Ankita write a letter to the Editor of The Times of India expressing your views on the same. (100-120 words)

b. You are the librarian of Delhi Public School, Palam. You are instructed to buy some

academic and reference books for the library. While browsing some good

publishers over the internet you landed on the website of Oxford University Press, India. Write a letter to Oxford Press, Ghaziabad, placing an order for books. Mention at least 4 titles of the books to be supplied immediately. Address yourself as Kalpana.

c. You are Shammi/Sapna, a resident of 12 Mall Road, Agra. You have noticed that most of the water taps in your colony keep leaking. Also, water drips from various joints in the supply pipes. All these lead to a big wastage of potable water. Write a letter of complaint to the Municipal Commissioner, Agra Municipal Corporation requesting him to get the necessary repairs done

5. Learn all the chapter and writing work done in the class room

HINDI:

निम्न कार्य ए-4 शीट कार्य कीजिये।

*1. ई मेल लेखन 2. लघु कथा लेखन 3. पदबन्ध की परिभाषा और उद्धरण लिखिए ।

*4. मुहावरे 5. समास परिभाषा और भेद

*कर चले हम फिदा देश भक्ति-गीत याद कीजिये और यूट्यूब बनाइये ।

*कबीर के दोहों पर पी पी टी बानिये |और दो दोहे याद करके वीडियो बनाइये ।

*अप्रैल से मई में करवाया गया सम्पूर्ण कार्य याद करो ।

*कोई एक देश भक्ति लघु नाटिका लिखिये ।

*ट सर्च करके नुक्कड़ नाटिका लिखिए ॥

MATHS:

DO THE FOLLOWING QUESTIONS IN FAIR NOTE BOOK

1. In a school there are two sections A and B of class x. there are 48 students in section A and 60 students in section B. determine the least number of books required for the school library that books can be distributed equally among the students of section A or sections B.
2. If two positive integers x and y are expressible in terms of primes as $x=p^2q^3$ and $y=p^3q$, find their LCM and HCF.
3. Check whether 4^n can end with 0 for any natural number n or not?
4. The LCM of two number is 182 and their HCF is 13. If one of the number is 26, find the other number. CBSE
2020
5. Prove that $3+2\sqrt{5}$ is an irrational number, given that $\sqrt{5}$ is an irrational number. CBSE 19
6. Prove that $\sqrt{2}+\sqrt{5}$ is an irrational number.
7. Write whether $\frac{2+\sqrt{45}+3\sqrt{20}}{2\sqrt{5}}$ on simplification gives an irrational number or a rational number.

8. Show that $\frac{2+\sqrt{3}}{5}$ is an irrational number.
9. If the sum of the squares of the zeroes of the quadratic polynomial $p(x)=x^2-8x+k$ is 40, then find the value of k.
CBSE 2020
10. Find the quadratic polynomial if the sum and product of zeroes are $\sqrt{3}$ and $\frac{1}{\sqrt{3}}$.
11. If α and β are the zeroes of the polynomial $2x^2-5x+7$, find the quadratic polynomial whose zeroes are $3\alpha+4\beta$ and $4\alpha+3\beta$.
12. If α and β are the zeroes of the quadratic polynomial $f(x)=kx^2+4x+4$ such that $\alpha^2 + \beta^2=24$, find the value of k.
13. Find the value of k for which the following system of equations has infinite many solutions:
 $(k-1)x + 3y=7$
 $(k+1)x + 6y=(5k-1)$.
14. Find the value of k for which the following system of equations has infinite no solutions:
 $X + 2y = 3$
 $(k-1)x + (k+1)y=k+2$
15. Jamila sold a table and a chair for rs 1050, thereby making a profit of 10% on table and 25% on the chair. If she had taken a profit of 25% on the table and 10% on the chair, she would get rs 1065. Find the cost price of each.
16. solve for x: $4x^2-4a^2x+(a^4-b^4)$.
17. solve for x: $\frac{1}{a+b+x}=\frac{1}{a} + \frac{1}{b} + \frac{1}{x}$
18. solve: $\frac{2x}{x-3} + \frac{1}{2x+3} + \frac{3x+9}{(x-3)(2x+3)} = 0$
19. solve for x: $9x^2-9(a+b)x + [2a^2+5ab+2b^2]$.
20. if the root of the equation $(a-b)x^2 + (b-c)x + (c-a)=0$ are equal, then prove that $2a=b+c$

ACTIVITY / PROJECT

1. GEOMETRY IN REAL LIFE (DO IN PRACTICAL FILE)

NOTE:

Revise chapter 1,2,3,4

SCIENCE:

PHYSICS

- A. Make a Project on the topic
'USES OF SPHERICAL MIRROR AND LENS IN OUR DAILY LIFE'
- B. Create your own video by doing an activity related to light.(Reflection, Refraction, Dispersion, Scattering, Atmospheric refraction)
- C. Prepare a 'MOBILE SCIENCE KIT'.
- D. Complete Lab manual.
- E. Solve these questions
1. A 5cm tall object is placed perpendicular to the principal axis of a convex lens of focal length 10 cm. The distance of the object from the lens is 15 cm. Find the nature, position and size of the image. Also find its magnification.
 2. (a) The refractive index of Ruby is 1.71. What is meant by this statement?
(b) The refractive index of some medium are given below:
 Crown glass- 1.52 Water- 1.33 Sapphire- 1.7

In which of the medium is the speed of light

(i) maximum (ii) minimum (iii) Calculate speed of light in sapphire.

3. Draw a ray diagram to show refraction of light through a glass slab and label on it the following:
(i) Incident ray (ii) Refracted ray (iii) Emergent ray (iv) Lateral shift (displacement).
4. If the image formed by mirror for all positions of the object placed in front of it is always virtual and diminished, state the type of the mirror. Draw a ray diagram in support of your answer. Where are such mirrors commonly used and Why?

An object is placed at a distance of 25 cm away from a converging mirror of focal length 20 cm. Discuss the effect on the nature and position of the image if the position of the object changes from 25 cm to 15 cm. Justify your answer without using mirror formula

Chemistry

1. AIL project for comparison of Haryana and Manipur
Title: Comparison of food culture, ore and minerals, sources of energy
(at least 10 pages)
2. Do 10 MCQ's each of ch1 and ch2 in fair notebook
3. Do 15 previous year questions of each ch1 and ch2 in fair notebook.
3. Prepare lab manual accordingly:
Experiment 1,2,3,4
(Aim, apparatus, chemicals required, chemical reaction observation table on blank page)
(Aim, apparatus, chemicals required, procedure result precautions on line page)

BIOLOGY

- Q.1 Draw the cross section of a leaf, explain the steps of photosynthesis under following point
- A. Capturing of atmospheric sunlight by chlorophyll of plastids in mesophyll cells.
 - B. Reaction occurs during reduction of carbon di oxide into glucose.
- Q2. How plants do respiration? When do they perform it?
- Q3. Write an activity to show that the plant contains starch as stored food material.
- Q4. Explain process of digestion with neat labeled diagram of human digestive system.
- Q5. Explain process of respiration with neat labeled diagram of respiratory system.
- Q6. Explain the breakdown of glucose.
- Q7. What is ATP? Why it is important for cell?
- Q8. Draw the well labeled diagram of human heart and explain systemic circulation.
- Q9. What do we meant by blood pressure? How we measure it?
- Q10. What is hemodialysis?

Q11. Write the following experiments in your practical file. (Refer lab manual)

- i) Preparing a temporary mount of a leaf peel to show stomata.
- ii) Experimentally show that carbon dioxide is given out during respiration
- iii) Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.
- iv) Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

SOCIAL-SCIENCE:

1. Prepare an assignment on DISASTER MANAGEMENT in which type of disaster. Prevention and what we do after the disaster with explains each and every disaster with pictures.
2. 2. Learn the syllabus done in online classes till now.
3. 3. Prepare a project on consumer awareness.
4. 4. Prepare a project on sustainable development.

INFORMATION TECHNOLOGY:

1. Learn and complete all that has been taught till now

Chapter 1. Communication Skills – II

Chapter 2. Self – Management Skills – II

Chapter 3. Basic ICT SKILLS – II

Chapter 6. Digital Documentation (Advanced)

Find out any 50 one word question answers/ MCQ from chapter 1,2,3 and Ch.6 and

write in your Fair notebook.

2. Activity: Check the name of the Antivirus software installed in your computer/Laptop. Scan the drive to Check for Virus. Write a note on your VIT Fair notebook.
3. Project Work from Chapter 6 Apply styles in the document Components of Open Office Writer Edit the document (Checking Spelling and Grammar, Changing Text case, Paragraph Alignment) Using a Template to create a document How to use an antivirus Software (Note: It must be for every student to prepare a Project file / Student Portfolio)
4. Make a PowerPoint Presentation on the topic: - Cyber Crime, Artificial Intelligence, and Digital India mail it on Section A (jitenderkumar@jpdavganaur.org) Section B and C (sanjeetvats@jpdavganaur.org)



Nothing is more powerful for your future than being a gatherer of good ideas and information. That's called doing your homework.

Jim Rohn

While doing your homework keep remembering

Thomas A. Edison

When he says

Genius is one percent inspiration and ninety-nine percent perspiration. As a result, a genius is often a talented person who has simply done all of his homework.

Dear parents

We wish you a very happy and fruitful time with your children.

Summer vacation is the most awaited time for the students as they want to play, enjoy and relish with their friends, neighbours and relatives. This is a time for them to stay away from the mundane schedule of daily life. They want to enjoy it in leaps and bounds. But we request you to keep their energy channelised. You should be a part of their enjoyment but time and again a check is required. Now it's your responsibility to make them stay connected with their studies along with fun and frolic & encourage them to do their homework in a neat and tidy manner.





Here are some of the suggested activities that you can do as a family:

1. Prepare a well-being plan for self.
2. Stick to routines or starting new ones.
3. Get up and go to sleep at regular times.
4. Help them explore new hobbies and interest.
5. Read, solve puzzles, play board games, etc.
6. Keep a gratitude journal. Writing down three things you are grateful for every day. Congratulate yourself and others on having a "MEGA DAY".
7. Take out time for Reading, Music, Dance, Singing, and Laughing.
8. Set Challenges- Encourage each other to take up new activities and complete them.
9. Be Creative with Space- Find a corner in the house and allow yourself and your children to decorate it.
10. Involve your children in household activities also..
11. Take them for outing to place of their interest & let them explore the world.
12. Communicate with your children and let them know you fully.

As parents you are requested to keep a watchful eye on your children and stop them from engaging in:

1. Excessive use of mobile phones.
2. Playing online games
3. Spending a lot of time alone away from family members.



Be Safe

