



JPDAV PUBLIC SCHOOL, GANAUR
HOLIDAY'S HOMEWORK (2022-23)
CLASS: IX



SUBJECT – ENGLISH

1. Watch English news daily in order to equip yourself with the information and facts to be used in as content in writing skills. write down the detail of atleast 5 news .
2. Read the chapters 'The Sound Of Music', 'The Little Girl and write the character sketches of the following
 - a. Bismillah Khan
 - b. Evelyn Glennie
3. You are Vaibhav, Vaibhavi. You are asked to write an article for the school magazine on 'climate change'. Use your ideas and hints given below
Human activities-burning fossil fuels releases carbon dioxide- rise in earth's temperature- causes sea level changes-adversely affects precipitation seasons-flora and fauna
4. Given below is a list of literary devices. Select three poem from the syllabus and highlight the presence of listed literary devices while explaining the literary devices.
Simile
Metaphor
Personification
Irony
Repetition
Hyperbole
Allusion
Apostrophe
Paradox
Onomatopoeia
5. Maintain a dictionary by reading an English newspaper and watch your favorite show. Take note of the new Words(atleast 5) that you see and hear and copy those words down in your notebook. Refer to the internet and learn what those words means.(minimum 50 words)

SUBJECT – HINDI

'दुःख का अधिकार पाठ के आधार पर लेखक और बुढ़िया में अपनी कल्पना से संवाद लिखिए। चित्र भी बना कर अपने कार्य को आकर्षक बनाइए।

· पोशाक के माध्यम से हर व्यक्ति का दूसरों से प्रथम परिचय होता है | इस कथन को भिन्न भिन्न चित्रों के माध्यम से स्पष्ट कीजिए।

* अपना परिचय देते हुए एक समाचार वाचक की तरह समाचार प्रस्तुत करते हुए चार से पाँच मिनट की अपनी विडिओ बनाओ | अपनी प्रस्तुति को प्रभावशाली बनाने के लिए आप समाचार से सम्बन्धित चित्र भी दिखा सकते हैं।

* रैदास के पदों में जिन संतों कवियों का परिचय दिया गया है उनके चित्रों के साथ संक्षेप में उनके परिचय पर आधारित पावर पॉइंट प्रस्तुति तैयार कीजिए जैसे नामदेव, सधना, सैनु, नामदेव, तिलोचन | सारा परियोजना कार्य आकर्षक, सृजनात्मक और कलात्मक होना

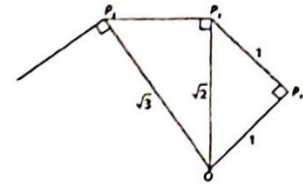
चाहिए। कार्य को आकर्षक बनाने के लिए आप भिन्न-भिन्न रंगों और चित्रों का प्रयोग कर सकते हैं सारा कार्य आंतरिक मूल्यांकन के अंतर्गत जांचा जाएगा।

SUBJECT – MATHS

Maths

Q1. Do all the examples of chapter 1, chapter 3 and chapter 4.

Q2. Take a large sheet of paper and construct the 'square root spiral' in the following fashion. Start with a point O and draw a line segment OP_1 , of unit lengths Draw a line segment P_1P_2 perpendicular to OP_1 of unit length (see figure). Now, draw a line segment P_2P_3 perpendicular to OP_2 . Then draw a line segment P_3P_4 perpendicular to OP_3 . Continuing in this manner, you can get the line segment $P_{n-1}P_n$ by drawing a line segment of unit length perpendicular to OP_{n-1} . In this manner, you will have created the points $P_2, P_3, \dots, P_n, \dots$ and joined them to create a beautiful spiral depicting $\sqrt{2}, \sqrt{3}, \sqrt{4}, \dots$



Q3. Do the following questions.

(i) Find three irrational number between 0.2101 and $0.\bar{2}$.

(ii) Add $7\sqrt{7} + 4\sqrt{3}$ and $4\sqrt{7} - 3\sqrt{3}$.

(iii) If $(81)^{\frac{5}{n}} = 243$, find n.

(iv) Find the value of x in the following: (a) $\sqrt{7x+5} = 4$ (b) $5^{x-2} \times 3^{2x-3} = 135$

(v) Simplify by rationalising the denominator: $\frac{2+3\sqrt{5}}{2-3\sqrt{5}}$.

(vi) If $x = 2 + \sqrt{3}$, find the value of $x + \frac{1}{x}$.

(vii) If $a = 1 + \sqrt{2}$, find the value of $(a - \frac{1}{a})^3$.

(viii) Find the values of a and b. $\frac{\sqrt{5}-2}{\sqrt{5}+2} - \frac{\sqrt{5}+2}{\sqrt{5}-2} = a - b\sqrt{5}$

(ix) Express $0.6 + 0.\bar{7} + 0.4\bar{7}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

(x) The following table gives the number of pens and their corresponding costs. Plot these as ordered pair and join them
What type of graph do you get?

Number of pens	1	2	4	5	7	8
Price in rupees	3	6	12	15	21	24

(xi) Plot the points A(0, 5), B(8,0), C(8,5) and join them. What figure do you obtain? Find the area of figure.

(xii) In which quadrant or on which axis each of the following points lie?

(-3, 5), (4, -1), (2, 0), (2, 2), (-3, -6)

(xiii) Without plotting the points indicate the quadrant in which they will lie, if

(a) ordinate is 5 and abscissa is -3

(b) abscissa is -5 and ordinate is -3

(c) abscissa is -5 and ordinate is 3

(d) ordinate is 5 and abscissa is 3

(xiv) If $x = 9 + 4\sqrt{5}$, find the value of $\sqrt{x} - \frac{1}{\sqrt{x}}$.

(xv) Simplify $\frac{2^{p-q} \times 2^{r-p}}{2^{r-q}}$.

(xvi) $2.3\bar{6} + 0.2\bar{3}$ as a fraction in simplest form.

(xvii) Plot the point (3, 5) on a graph sheet. Draw $AB \perp x$ -axis and $AC \perp y$ -axis. Write the coordinates of B and C.

(xviii) Find the co-ordinate of the point

(a) Which lies on X and Y- axes both

(b) Whose ordinate is -4 and which lies on y-axis.

(c) Whose abscissa is 5 and which lies on x-axis.

(xix) Convert $\frac{874}{999}$ into decimal form.

(xx) Examine whether the following numbers are rational or an irrational:

(a) $\sqrt{5} + \sqrt{3}$

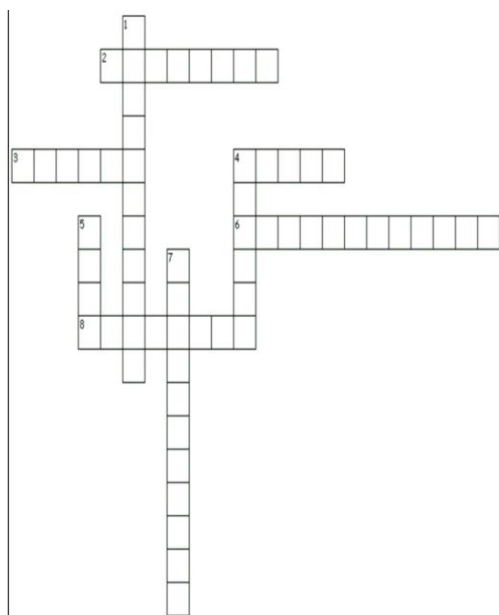
(b) $(2 + \sqrt{2})(2 - \sqrt{2})$

(c) $\sqrt{0.9}$

(d) $\frac{3\sqrt{8}}{\sqrt{2}}$.

SUBJECT - PHYSICS

Q1 Solve this crossword



ACROSS

2. Physical quantity obtained by dividing displacement with time taken

3. A quantity having both magnitude and direction

4. This remains constant in uniform circular motion

6. It is the slope of speed -time graph

8. This measure the distance travelled by the car

Down

1. This is the other name for negative acceleration

4. The speed is said to be a

5. This is the acceleration of the body with uniform velocity

7. This measure the speed of the car

Q2 Derive equations of motion using graphical method. (Use colorful Assignment sheets)

Q3 Prepare a wall hanging on the topic

'Distance time and Velocity time graphs.'

Q4 Make a power point presentation on the topic 'SOUND'.

Q4 Prepare a 'MOBILE SCIENCE KIT'

Q5 Do practice of at least 10 numerical based on equations of motion.(In fair notebook)

SUBJECT - CHEMISTRY

1. Write extra questions of ch-2 in your fair notebook for.

1 marker(5)

2 marker(5)

3 marker(3)

- Write about another two States of matter (plasma, Bose-Einstein condensate) on A4 size sheet.
- As you all know water is essential part of life. We need it in every moment of our life. Also we should have clean water for drinking otherwise we can face a lot of health issues. Prepare your own water purification system (RO, using alum etc)

SUBJECT – BIOLOGY

Prepare a model to compare plant cell and animal cell using common household items like grains and pulses etc.

Do NCERT questions of Chapters: Cell the fundamental unit of life and Tissues. [in Biology notebook]

Consider a cell like your school. Each part of the cell (school) has responsibilities that must be done and certain organelles (people) to do them. Identify the functions of the following parts of the cell then identify which person does the same job.

First one is done as an example to follow:

S. N.	ORGANELLE	FUNCTION	Part of School that has a similar function
1.	Cell Membrane	Controls what goes in and out of the cell	Front office
2.	Mitochondria		
3.	Nucleus		
4.	Ribosome		
5.	Cytoplasm		
6.	Golgi Body		
7.	Cell Wall (only in plant cell)		

SUBJECT – SOCIAL SCIENCE

- Make a project on disaster (natural, man-made) with current data.
- Complete your GK history notebook and learn 1-10. GK test assignment.
- Make a collage on endangered species (flora and fauna) in India.
- Complete your map skill do practice.

SUBJECT – IT (VOCATIONAL)

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

Chapter 1. Communication Skills – I

Chapter 2. Self – Management Skills – I

Chapter 3. Basic ICT Skills – I

2. Activity : Check the name of the Antivirus software installed in your computer/Laptop.

Scan the drive to Check for Virus.

3. Project Work from Chapter 3

Introduction to ICT, Role and Importance of ICT in

our daily Life, ICT Tools , Operating System, Files and Folders Introduction to Internet, Applications of Internet, Websites and Web Pages, Email Accounts, Sending and Receiving Email, BLOG, TWITTER, FACEBOOK, YOUTUBE, WHATSAPP, DIGITAL INDIA (Note : It must be for every student to prepare a Project file.)

4. Make a PowerPoint Presentation on the topic :-

Describe the Role of ICT in Day to Day Life (Basic ICT Skills – I)

***** End*****

Note: In case of any incontinency students can contact their subject teacher.