



MPVM GANGA GURUKULAM SCHOOL

HOLIDAY HOMEWORK

Session 2022-23

Class IXth



*In order to provide some relief from scorching heat, summer vacations are declared. To keep learning even during summer break, we teachers have assigned some **HOLIDAY HOMEWORK** that has to be accomplished by our sincere students in innovative and creative ways.*

Regards

MPVM G.G.

ENJOY YOUR HOLIDAY



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ENGLISH

❖ *Do the given homework in File papers*

✚ Computers are storehouse of knowledge and they are hazardous too. Write an article on the Topic, “**The benefits and harms of computers**”. (word limit is 180-200 words)



✚ You have recently encountered strange people different from the normal human beings but they were quite interesting. Write a story in about 150-200 words narrating your experience with them.



✚ Read a newspaper for ten days and one news article under the given headings like **National, International, and Sports** and express your views on it.



✚ **Art Integrated Projecte**

Collect information about the musician, musical instruments and folk music of **Arunachal Pradesh and Meghalaya**. Paste/draw relevant pictures and write about them.



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हिन्दी

प्र०_१ अरुणाचल प्रदेश की हस्त कला का सचित्र वर्णन कीजिए।



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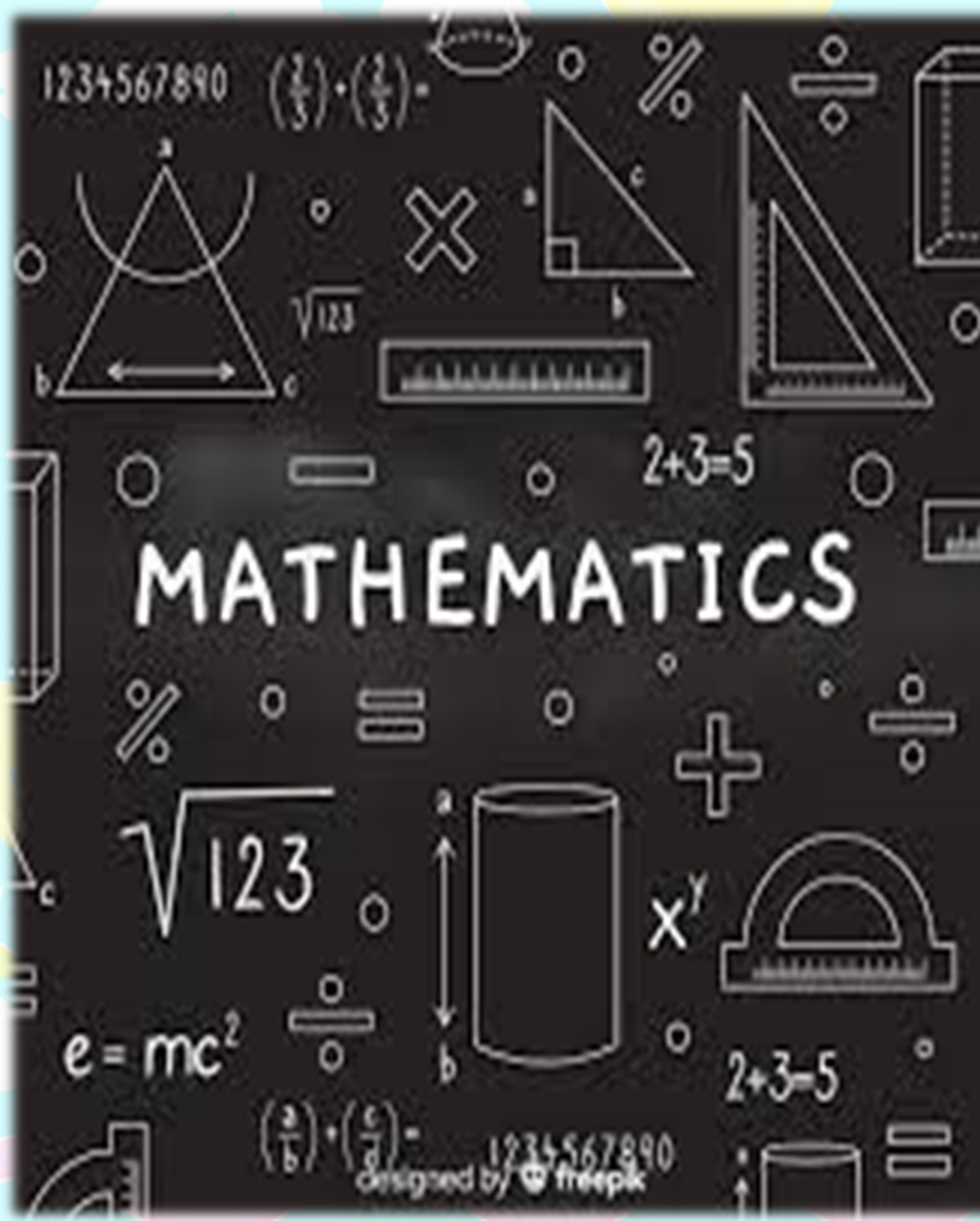
प्र०_२ एक संक्षिप्त कविता लिखिए और उसमें आए अलंकारों को दर्शाए।



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MATHEMATICS

1. Read and record an article related to mathematics and write a report in about 100 words.

HOW TO DO: - take help of the below links or magazines and choose a suitable article.

- i) <https://www.mathgoodies.com>
- ii) <https://azimpremjifoundation.com> (at Right Angles magazine)
- iii) <https://www.tandfonline.com>
- iv) Mathematics Today
- v) Mathematics Spectrum

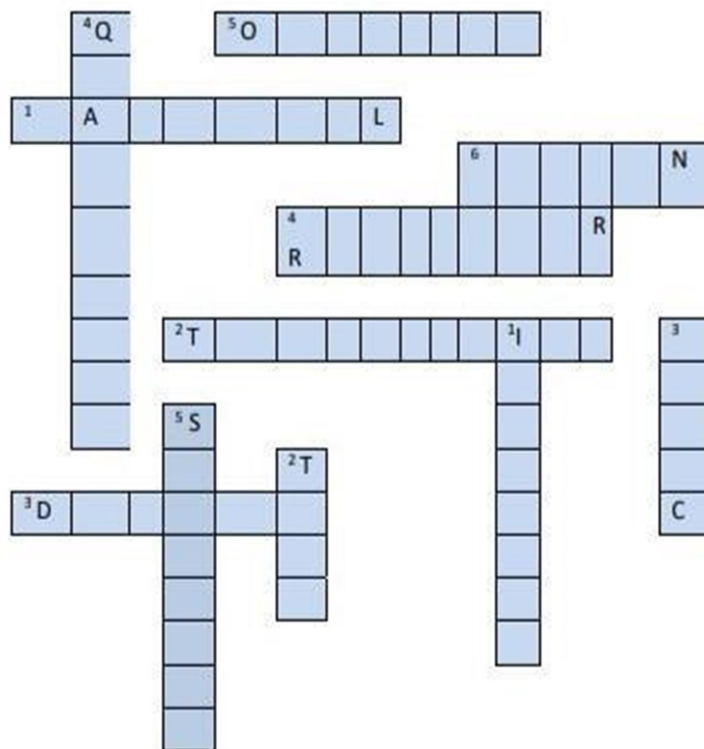
WHERE TO DO: - A4 SIZE SHEET

Parameters:

- i) Content
- ii) Presentation

2. Make spiral of $\sqrt{7}$.
3. Solve the crossword puzzle given below:

24. Solve the crossword puzzle.



Across:

1. A number that can be written in the form of p/q .
2. $7/8$ has _____ decimal expansion.
3. The highest power of the variable in a polynomial.
4. Dividend = (Divisor \times Quotient)
+ _____
5. The y - coordinate is also called the _____.
6. The point of intersection of the axes.

Down:

1. Number of rational numbers between two rational numbers.
2. In the polynomial $x^2 + 3x$, the expressions x^2 and $3x$ are called the _____ of the polynomial.
3. A polynomial of degree three.
4. The name of each part of the plane formed by these two lines.
5. The graph of every linear equation in two variables is a _____ line.

BIOLOGY

✚ Do all the Questions in file papers only.

1. Why cell is called as structural and Functional unit of life? Explain with reference to Unicellular and multicellular organism.
2. Why do dry raisins placed in water swell up? Explain with appropriate diagram.
3. If you are provided with some vegetable to cook, you generally add salt into the vegetables during cooking process. After adding salt, vegetables release water. Explain the mechanism involved in this.

✚ *Chart Activity*

Draw a 3D diagram of Endoplasmic Reticulam on Hand made Sheet.

OR

Draw the diagram showing effect of different solution on plant cell.

OR

Draw 3D Structure of Mitochondria on a handmade sheet with proper labeling.

Note: You can use waste material to bring 3D effect on you chart

CHEMISTRY

✚ 1. Distinguish between the following

- a) Evaporation and Boiling
- b) Condensation and Liquefaction

✚ 2. Give reason _

- a) Wind speed increases the rate of evaporation.
- b) Spraying of perfume on body produces cooling sensation.
- c) Smell of hot food is more perceptible than cool food.

d) Steam causes severe burn rather than boiling water of same temperature.

Note: Do all the work in File papers and paste appropriate Pictures.

✚ 3. Explain with graph

- 1) Latent heat of fusion
- 2) Latent heat of vapourisation

✚ 4. Chart Activity

Make an attractive Chart showing Physical properties of particles with respective activities.

PHYSICS

✚ 1. Prepare a chart on "Examples of uniform circular motion" In daily life.

✚ 2. Using a graph paper, represent the following graphs

- a) Uniform motion
- b) Non uniform motion
- c) Uniformly accelerated motion
- d) Retardation

Note: The graphs should be stuck on file pages.

✚ 3. Solve all the numericals of chapter "Motion" given in your NCERT book.

Art Integrated Project

✚ Give a brief account of the rich flora and fauna of **Meghalaya** and **Arunachal Pradesh** with reference to their habitat, food habit and commercial and biological significance.

SOCIAL SCIENCE

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SUBJECT- HISTORY AND CIVICS

✚ IMPORTANT INSTRUCTIONS:

- Do all the work in file pages.
- For Art Integration Project use one sheet for one topic.
- Home work in separate file.

Art Integrated Project

Imagine that during your trip to Arunachal Pradesh and Meghalaya you saw and met people from various tribes. Make information sheets on any two tribes from Arunachal Pradesh/ Meghalaya. Compare the two tribes in terms of habitat, dress, culture, food-habits, occupation etc.

✚ TIPS TO MAKE THE INFORMATION SHEET

- Information about the language, dress, food habits
- Information on any special characteristics of the tribe
- Information on cultural practices
- Include pictures

Holiday Home work

1. Draw and write about the political symbols of France.
2. Write about the constitution of France of 1791 and compare the Declaration of the Rights of Man and Citizens with the Declaration which was presented by Olympe de Gouges.
3. Write in short about Fundamental Rights.
4. Show these places on the outline map of France :
Paris, Nantes, Bordeaux, Marseilles



SUBJECT - GEOGRAPHY

Disaster Management Project

Topic- **“Forest Fire and Management strategies”**

(Prepare a handwritten project which should be supported by presentable Cover page pictures and Bibliography)

Note: Disaster management project carries in internal assessment

S.NO.	Particulars
1.	Meaning of Forest Fire and major forest fires in the year 2019-20
2.	Causes of Forest Fire A. Natural forest B. Anthropogenic causes
3.	Climate change and Forest Fire
4.	Vulnerable areas in India
5.	Impact of Forest Fire
6.	Measures to control forest fire
7.	How to Prepare for forest fire
8.	Conclusion





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INFORMATION TECHNOLOGY (I.T.)

Art Integrated Project

- ✚ Create a Presentation using Power point/ impress to represent cultural activities/tourism of Arunanchal Pradesh and Meghalaya

SUMMER

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VECTOR ILLUSTRATION