ENGLISH
HOLIDAY HOMEWORK

1. Write a letter to the editor of an English daily, making a plea to the common people to switch over to solar energy to conserve electricity and limit electricity bills.
2. Smartphone is one of the important means of communication today but it has also become a nuisance for some. Write a paragraph on the same in about 120-150 words.

ART INTEGRATED PROJECT

Collect information about the religious faith of Arunachal Pradesh and Meghalaya. Paste / Draw relevant pictures and write about them.

Note: Do the given homework in file papers.
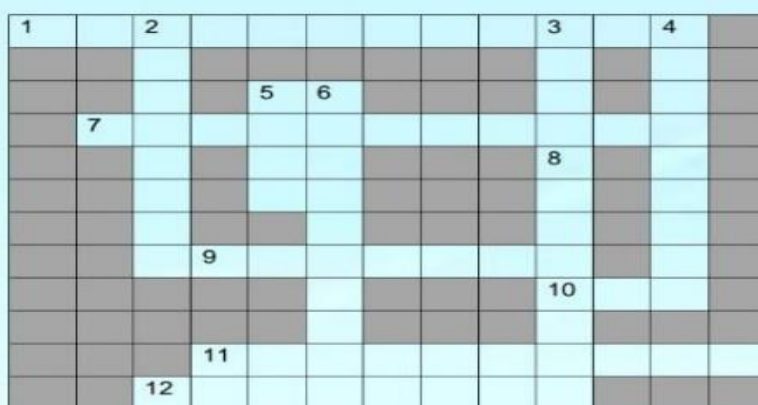
HINDI

१- मेघालय की हस्त कलाओं का सचित्र वर्णन कीजिए।

२- हास्य रस एवं वीर रस से संबंधित एक -एक संक्षिप्त कविता लिखिए।

MATHEMATICS

1. Form 5 statements of your surrounding situations which are related to linear equations in two variable and solve them:
   i)   Any two by graphical method
   ii)   Any two by substitution
   iii) One by elimination method
2. Prepare a mind map of the topic as per roll number given:
   i)   R.N 1 – 12 → real numbers
   ii)   R.N 13 – 24 → polynomials
   iii) R.N 25- Last → linear equation in two variables

ART INTEGRATED PROJECT

1. Make an integrated project on population of Meghalaya
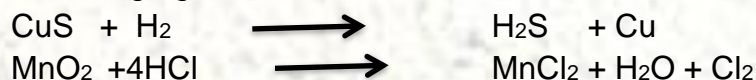2. Solve the crossword puzzle given below:

Directions :-

ACROSS →	DOWN ↓
1. The measure of uncertainity is called _____.	2. The distance of a point from x-axis is called its _____.
7. The line drawn from the eye of an observer to the point in the object viewed by the observer is called _____.	3. A quadratic equation $ax^2 + bx + c = 0$ has _____ equal roots, if $b^2 - 4ac = 0$.
9. The common point of a tangent and circle is called point of _____.	4. Vertical cross section of a right circular cylinder is always a _____.
10. A tangent to a circle intersects it in _____ point(s).	5. The probability of impossible event is _____.
11. The mathematical instrument which is used for measuring the angle of elevation depression of an object is called _____.	6. Two or more circles having same centre is called _____.
12. The distance of a point from y-axis is called its _____.	8. Part of the circular region enclosed between two radii and corresponding arc is called _____.

SCIENCE

CHEMISTRY

1. Prepare a chart on types of reactions.
2. Balance 20 unbalanced equations.
3. Write an activity on –
   a. Electrolysis of water
   b. Decomposition of aqueous ferrous sulphate crystal
   c. Photolysis of $AgCl_{(s)}$
4. Define the following terms and identify them in given below questions -
   i. Oxidation reaction
   ii. Reduction reactions
   iii. Oxidizing agent
   iv. Reducing agent

$$CuS + H_2 \longrightarrow H_2S + Cu$$
$$MnO_2 + 4HCl \longrightarrow MnCl_2 + H_2O + Cl_2$$

PHYSICS

1. Prepare a chart on the topic" Usage of concave mirrors in daily life".

2. Solve all the numericals of the Chapter "Reflection of light" in your fair notebook.

ART INTEGRATED PROJECT

Prepare an article on " Energy sources of State of Meghalaya / Arunachal Pradesh.

BIOLOGY

ART INTEGRATION PROJECT

Topic: Natural Resources of Meghalaya and Arunachal Pradesh.

What do you mean by Natural Resources?

What are the types of Natural Resources? And give brief account of natural resources available in Meghalaya and Arunachal Pradesh.

Suggest ten ways to manage garbage in and garbage out in Meghalaya and Arunachal Pradesh.

CHART ACTIVITY

Make a chart of Diagrammatic representation of Nutrition in plants/Nutrition in human being.

Give experimental proof of all the raw materials required for Photosynthesis.

QUESTION ANSWER ASSIGNMENT

Draw flow chart of modes of Nutrition. Explain each with appropriate example.

Give a brief account of steps involved in Photosynthesis.

Draw diagram of ultrastructure of chloroplast and the site of light and dark reaction of photosynthesis in chloroplast.

Explain the process of nutrition in Amoeba.

Explain how digestion occurs in each part of alimentary canal in human being.

SOCIAL SCIENCE

ART INTEGRATED PROJECT

HISTORY/ CIVICS

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 of the above mentioned states.

- Population
- Traditional Dresses
- Languages
- Festivals
- Religion and Religious places to visit
- Monuments
- Food
- Folk Dance and Musical instruments

HOLIDAY HOME WORK

1.Write about the process of unification of Germany, Italy and Britain.

2.Write about geographical location, ethnic population, reason of conflict and how conflict is solved in Belgium and Sri Lanka. Draw map also.

3.On **the political map of India** locate these places.

Chapter - 3 Nationalism in India – (1918 – 1930)

1. Indian National Congress Sessions:

a. Calcutta (Sep. 1920)

b. Nagpur (Dec. 1920)

c. Madras (1927)

Important Centres of Indian National Movement

a. Champaran (Bihar) - Movement of Indigo Planters

b. Kheda (Gujarat) - Peasant Satyagraha

c. Ahmedabad (Gujarat) - Cotton Mill Workers Satyagraha

d. Amritsar (Punjab) - Jallianwala Bagh Incident

e. Chauri Chaura (U.P.) - Calling off the Non-Cooperation Movement

f. Dandi (Gujarat) - Civil Disobedience Movement

NOTE: DO ALL WORK IN FILES.

GEOGRAPHY AND ECONOMICS
PROJECT WORK

Prepare a project from the given two topics:

(As for the latest syllabus, 5 marks have been kept for the project work in internal assessment)

Project should contain proper format with presentable Cover Page, acknowledgement, index,summary and Bibliography

Topics:

1- **Consumer Rights and Consumer Movement in India**
   Content

S.no	particulars
1.	Who is the consumer.
2.	Malpractices in the Market place
3.	Origin of consumer movement.
4.	Ways to protect consumers Consumer forum Consumer Protection Act 1986 Three tier system
5.	Problems with consumer movement
6.	Consumer rights (all six rights to be explained with examples)
7.	Learning to become well informed consumer
8.	Conclusion

OR

2- **Sustainable development**

    S.no   **particulars**

1. Definition of sustainable development
2. History and development of sustainable development
3. Objectives and goals of sustainable development
4. Principles of sustainable development
5. Three pillars of sustainable development
   Economic development
   Social development
   Environmental protection
6. Need and importance of sustainable development
7. Practical examples of sustainable development in India
8. Desired outcomes of sustainable development
9. Conclusion

I .T
ART INTEGRATED PROJECT

Create a video on industrial development and economic growth in Arunachal Pradesh / Meghalaya also create a excel / calc sheet with comparative charts on "Employability"