# MOUNT CARMEL SCHOOL, CHANDIGARH

HOLIDAYS ASSIGNMENT
SESSION 2024-2025
CLASS IX

General Instructions for Holidays Homework:-

- Holiday Home Work should be done as per the instructions given.
- Assessment will be done based on originality, creativity, neat handwriting, presentation and submission of work on time.
- Revise all the concepts done so far.
- Parents are requested to encourage their ward to do their homework independently.
- Parents can extend guidance to their children if needed.
- Control Screen time: Do not let children spend too much time playing video games, instead encourage them to take up creative pursuits.
- Help them to understand the need to reduce wastage.
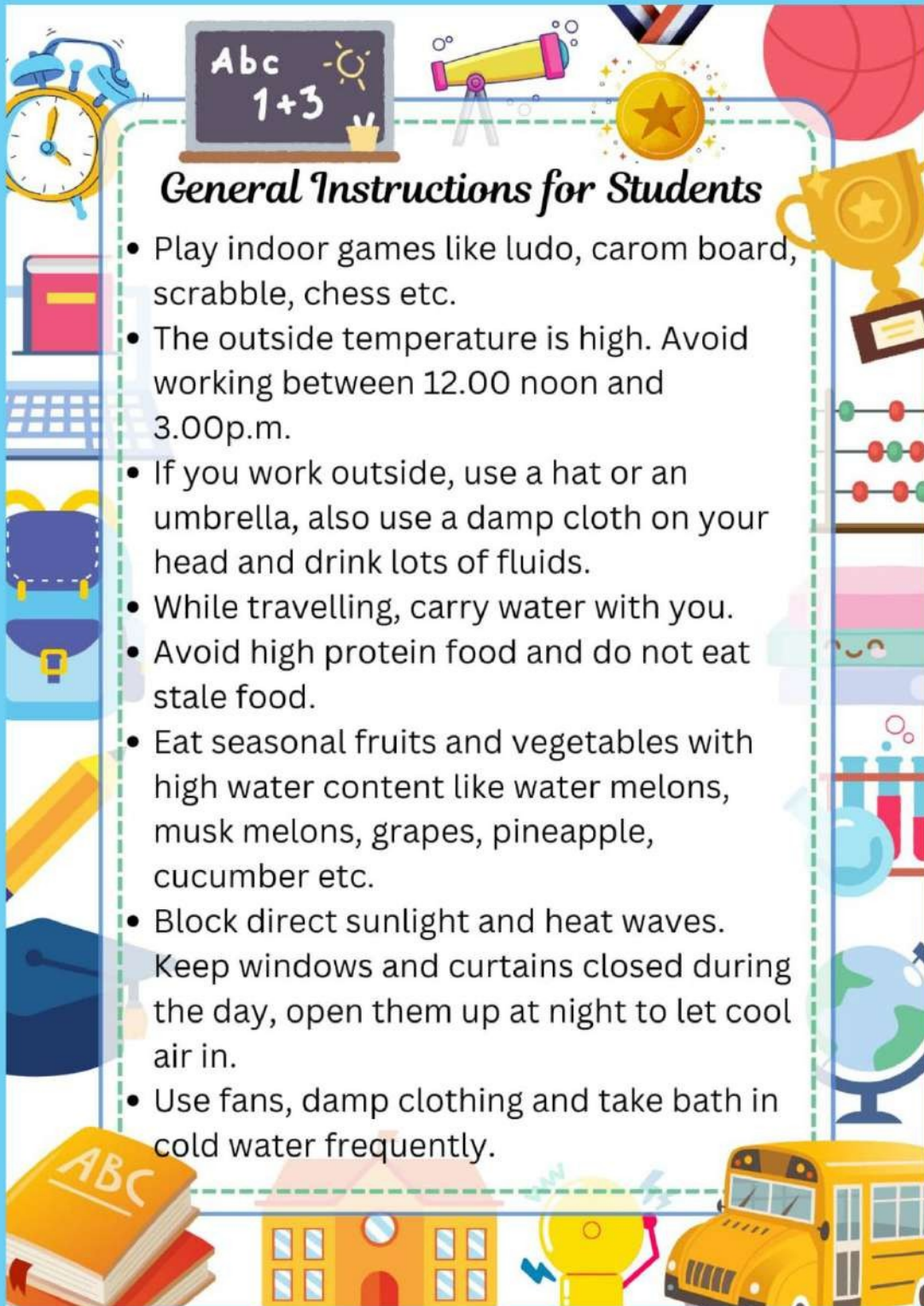
General Instructions for Students

- Play indoor games like ludo, carom board, scrabble, chess etc.
- The outside temperature is high. Avoid working between 12.00 noon and 3.00p.m.
- If you work outside, use a hat or an umbrella, also use a damp cloth on your head and drink lots of fluids.
- While travelling, carry water with you.
- Avoid high protein food and do not eat stale food.
- Eat seasonal fruits and vegetables with high water content like water melons, musk melons, grapes, pineapple, cucumber etc.
- Block direct sunlight and heat waves. Keep windows and curtains closed during the day, open them up at night to let cool air in.
- Use fans, damp clothing and take bath in cold water frequently.

ENGLISH

Create an engaging holiday assignment by preparing an itinerary for a visit to Chandigarh, including all essential details such as tourist attractions, landmarks, transportation options, dining recommendations, and local cultural experiences like festivals or events. Ensure that the itinerary is colorful, incorporating pictures and cutouts to enhance visual appeal. Additionally, include tips for travelers such as safety precautions, local customs, and suggested souvenirs to buy. Use A4 size sheets for your presentation.

MATHS

NOTE: Complete the worksheet and S. E. Activity neatly on loose sheets (any type) for submission.

### SUBJECT ENRICHMENT ACTIVITY ; Geometry and Patterns in Mandalas

Write a short note on "What is Mandala Art? History, Symbolism and Uses".
Draw 2 patterns related to Mandala art on A4 size sheet.

PRACTICE WORKSHEET

1. Find five rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.

2. Represent the real number $\sqrt{10}$ on the number line.

3. Show that $1.27272727\ldots\ldots$ can be expressed in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

4. Rationalise the denominator of $\dfrac{1}{7 + 3\sqrt{2}}$.

5. Factorise $x^3 + 216y^3 + 8z^3 - 36xyz$.

6. Simplify: ‾   ‾

7. Factorise $a^3 - 64b^3 - 27c^3 - 36abc$.

8. Find the value of k if $x - 1$ is a factor of $4x^3 + 3x^2 - 4x + k$.

9. Factorise: (i) $6x^2 + 17x + 5$ (ii) $y^2 - 5y + 6$

10. Using suitable identity, evaluate 101×102.
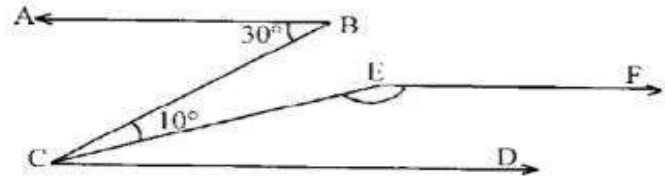
11. Lines $l \parallel m$, $p \parallel q$; Find a, b, c, d
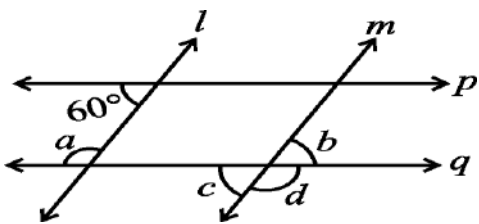
12. In fig, find the value of x.
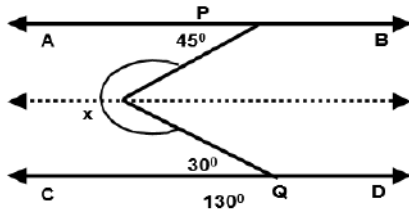
13.

In fig. AB||CD and CD||EF ,
if ∠ABC = 30°, ∠BCE = 10°
then find ∠CEF .

14. In Fig. lines PQ and RS intersect each other at point O. If ∠ POR: ∠ ROQ = 5: 7, find all the angles.
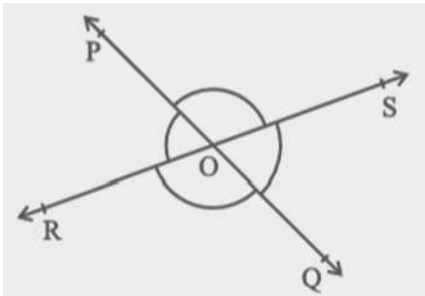
15. In the figure, POQ is a line ∠POR = 4x and ∠QOR = 2x, find the value of x.
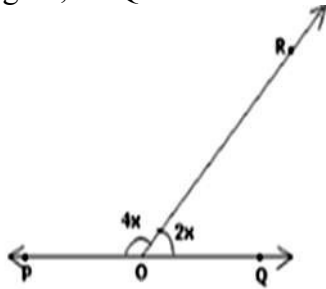
SCIENCE:-

1. Make any one working model on any topic of your choice (Std IX NCERT book only) and write in detail about it on A4 size sheet or chart.
2. Paste pictures of scientists related to term 1 chapters in the assignment sheets and a brief write up on their inventions and discoveries (any two) and place in a folder.

SOCIAL SCIENCE:-
Class Project: Development & Disaster

A natural disaster can happen anywhere. A developed nation must have proper leadership, infrastructure, equipment and medical facilities to avoid the catastrophic results of a disaster. Outline the measures required to put India at par with other „Developed" countries in effectively handling any four areas of Disaster Management such as Warning, Evacuation, Trained Personnel, Food, Sanitation, Medical Facilities, Rehabilitation & Reconstruction.

Instructions:

Prepare an interesting folder on any one natural or man-made disaster including the information of any four measures of disaster management.
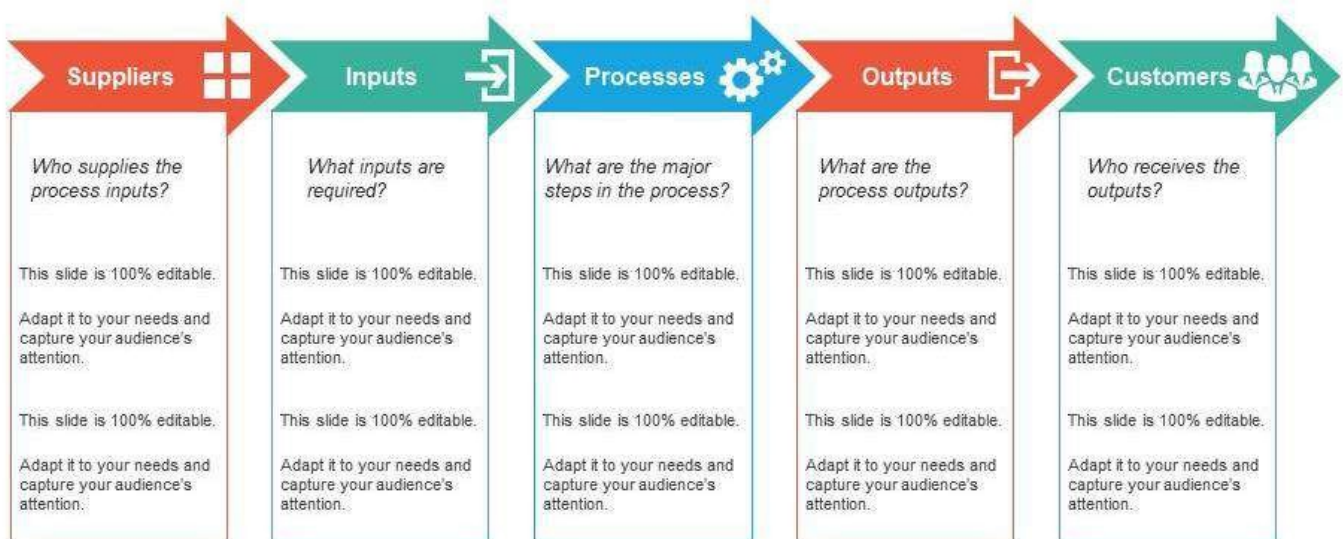Paste relevant pictures and articles etc.

HINDI:-

(क) 'एवरेस्ट मेरी शिखर यात्रा' पाठ के आधार पर एवरेस्ट शिखर पर पहुँचने वाली भारतीय महिलाओं के विषय में जानकारी एकत्रित करके ए4 साइज शीट पर एक सचित्र व आकर्षक कॉलाज तैयार कीजिए ।
(ख) वार्षिक पत्रिका हेतु किसी भी विषय पर स्वरचित कहानी,कविता या लेख लिखें ।

Punjabi:-

ਪੰਜਾਬ ਦੇ ਵੱਖ-ਵੱਖ ਮੇਲਿਆਂਦੀ ਜਾਣਕਾਰੀਇਕੱਤਰ ਕਰਕੇ ਉਹਨਂਦੀਆਂ ਤਸਵੀਰਂਦਾ ਸੁੰਦਰ ਕੋਲਾਜ ਬਣਾਓ।

COMPUTER APPLICATION:-

1. **Subject Enrichment-5marks** (Marks will be included in the practical file)
   Make a PowerPoint presentation in Ms-PowerPoint (10 slides)on the topic: " Various food and cuisine of Tripura and Mizoram". Compare it with Union Territory, Chandigarh. Submit the Printout of the same.
2. Make following Documents for the Computer Application Practical File:-
   a. Create Two posters in MS. Word using all the features of it.
   b. Make the following Ms-Word document, using table option, also use formatting features.

Suppliers	Inputs	Processes	Outputs	Customers
Who supplies the process inputs?	What inputs are required?	What are the major steps in the process?	What are the process outputs?	Who receives the outputs?
This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.
This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.	This slide is 100% editable. Adapt it to your needs and capture your audience's attention.

c. *Project (That uses most of the concepts that have been learnt)*

Create a Power Point Presentation (At least 7 slides) about "Safely browsing the web & social networks".

Points to be included are as follows :

- *Risks involved in unsafe browsing .*
- *How to protect yourself while browsing & using social networks.*
- *Proper usage of the Password.*

GERMAN:-

Make a model on five famous foods of Germany.

You can use Cardboard to make the Model.