

HOLIDAYS HOMEWORK ( 2023 - 24 )

# SUMMER HOLIDAY Homework

**Theme: SDG- 12 ( Responsible Consumption & Production)**

**#earthagain**

**CLASS :- 9TH AB**

**ENGLISH**

**Qni 1:To create an advertisement promoting sustainable products or practices.**

**Design any two poster that raise awareness about the importance of conscious consumer choices .Use persuasive language and eye catching visuals.**

**Qno 2:write a short story that incorporates the theme of sustainable consumption and**

production. You should focus on creating a narrative that highlights the benefits of sustainable choices and the consequences of unsustainable practices. Use your creativity and imagination in writing a story.

You can use pictures and illustrations while writing a story to make it more effective.

Note: Do these activities on files and design posters on A3 size sheet.

## HINDI

- 1) SDG 12 भारत के लिए क्यों महत्वपूर्ण है ? इसके क्या लाभ हैं ? इस पर एक अनुच्छेद लिखिए , चित्र सहित ।
- 2) कूड़े के ढेर में बर्बाद होने वाला भोजन वैश्विक ग्रीनहाउस गैस उत्सर्जन का 8 से 10 प्रतिशत उत्पन्न करता है इस पर एक विज्ञापन तैयार किजिए ।
- 3) अपशिष्ट उत्पादन को कम करना इस पर एक नारा तैयार किजिए ।

यह सभी कार्य :- A - 4 Size Sheet पर किजिए ।

## MATHS

Prepare a ppt on sustainable consumption and production (SDG 12)

General Instructions:

Project assigned to you is an Individual task.

The project should have 15 slides

The project should be original.

The project should contain Cover Page, Table of contents, Acknowledgements Headings and subheadings

Collect the data on the household expenses for the month of June .Analyse and reort the spending patterns. Identify the areas of excessive consumption and find ways to make more

sustainable choices. Represent the information graphically.

## **SOCIAL SCIENCE**

**Rno 1- 20**

- 1) Explain the concept of sustainability**
- 2) Identify actions students can take to make their lifestyle more sustainable**

**R no 21 to 40**

- 1) Understand the urgent challenge that finite resources pose to our current economic system**
- 2) Critically evaluate our current consumption and production systems and explore better ways of dealing with resources.**

**R.no 41 to 60**

- 1) Understand the challenges around conventional monocultures and soil quality**
- 2) Critically evaluate the challenges in modern agriculture and securing food supply for the future.**

**Note: Do the homework in a file.**

## **SCIENCE**

### **PHYSICS**

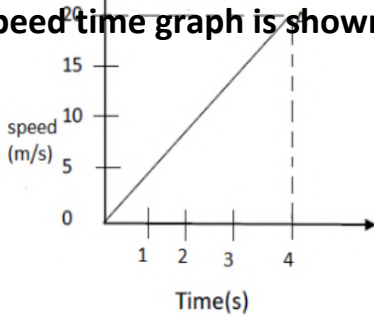
**Application Based: (Numerical Analysis) [ Hint: Use equations of motion]**

- 1. An object is moving up an inclined plane. Its velocity changes from 15m/s to 10m/s in two seconds. What is its acceleration?**
- 2. A body covered a distance of  $x$  metre along a semi-circular path. Calculate the magnitude of displacement of the body, and the ratio of distance to displacement?**
- 3. A particle moving with an initial velocity of 5m/s is subjected to a uniform acceleration of  $-2.5\text{m/s}^2$  Find the displacement in the next 4 sec.**
- 4. A car covers 30km at a uniform speed of 30km/hr. what should be its speed for the next 90km if the average speed for the entire journey is 60km/h?**

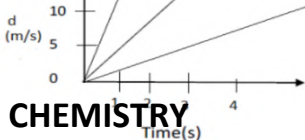
5. Give one example of a uniformly accelerated motion

**Graph Based Questions: (Use separate Graph Paper)**

6. Find the distance covered by a particle during the time interval  $t=0$  and  $t=4s$  for which the speed time graph is shown in figure



7. Figure shows distance time graph of three objects A, B and C a. which object is moving with a greater speed b. which object is moving with slowest speed



**CHEMISTRY**

**Application Based: (Numerical Analysis)**

1. Compare in tabular form the properties of solids, liquids and gases with respect to i) Shape ii) Volume

iii) Compressibility

2. Account for the following a) Dogs generally hang out their tongue in summer b) Smell of lighted incense stick spreads several meters away c) Sponge though compressible is a solid.

3. All of us are familiar with LPG cooking gas cylinder used at home

a) What is the full form of L.P.G? b) What is it composed of? c) In what form gas is stored?

What are the factors responsible for it? d) What is the change observed when regulator is opened? Why?

4. Convert a)  $50^{\circ}\text{C}$  to Kelvin b)  $345\text{ K}$  to  $^{\circ}\text{C}$  5. At What temperature on the kelvin

scale does ice melt? Draw a diagram to show set up of melting point of ice.

**Art Integrated Activity (Project based)**

6. a) To study diffusion in our day- to- day life. b) To study the effect of temperature on the rate of diffusion. You have to explore, observe, discover and perform activities related to diffusion. Then categorize your observations into the following:- Solid in liquid diffusion, Liquid in liquid diffusion, Gas in liquid diffusion, Solid in gas diffusion, Gas in gas diffusion.



Also study the effect of temperature on the rate of diffusion while performing the activities.

After observing and performing the activities, write down your observations in a scrapbook and also paste pictures while performing the activities.

Your work will be assessed on the basis of handwriting, presentation, neatness, indexing, and completion of activity and so on.

"Creativity and innovative ideas are Welcomed"

## **BIOLOGY**

1. Make an investigatory project on the following agricultural revolutions.

Green Revolution

White Revolution

Blue Revolution

Silver Revolution

Yellow Revolution

Explain each of them in detail and how it has brought a change in the agricultural sector. Also, paste relevant pictures related to each type of revolution.

2. Make a project report on the following Animal Husbandry practices-

Sericulture

Pisciculture

a) Marine Fisheries b) Inland Fisheries

c) Composite Fish Farming

Apiculture

Explain each of them in detail and how it has brought a change in the agricultural sector. Also, paste relevant pictures related to each type of practice.

3. (To be done by everyone on A3 sheet) Make a collage/poster/ slogan on any one of the following topics - Single use plastics and e-waste, Wetlands -life earth.

## **COMPUTER**

Make a PowerPoint presentation on Self-Management (10 slides at the most)

2. Design a poster exhibiting the Flags of G20 member countries.

3. Prepare an Excel sheet with the following information of G20 member Countries.

G20 Summit Host Leader	Date	Host Country	Capital	Venue& Host City
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### GAMES & SPORTS

1. History and classification of athletics and draw athletics track and long jump

2. History and rule of kabaddi and draw kabaddi and volleyball ground .

3. Do physical exercises and yoga at home stay fit and health.

### ART & CRAFT

1) Tribal mask

2) Glass painting