



**Maharani Gayatri Devi Girls' School
Sawai Ram Singh Road, Jaipur**



**HOLIDAY ASSIGNMENT
CLASS-10 CBSE
SESSION -2026-27**

Index

1. English
2. Hindi
3. Sanskrit
4. French
5. Maths
6. Science
7. Social Studies
8. Data Science
9. Information Technology
10. Multi Media
11. Artificial Intelligence
12. Food Production
13. Introduction to Financial Marketing



ENGLISH

Theme: Incredible India – Rajasthan Meets Nagaland.

Project Overview: Individual project.

Create a Mini Magazine consisting of the following sections:

1. News Reports / Articles Section

Collect or write 3–4 short articles/news reports on:

Literary and cultural festivals (SDG 11)

Natural Calamities (floods, droughts, earthquakes, etc.) SDG 13

Recent Landform Changes in Rajasthan and Nagaland

Word limit: 120–150 words.

Use proper headline + byline

Mention date and place

You may include real or self-written reports

2. Poetry Section

Write ONE self-composed poem on any ONE of the following themes- (SDG 15 and SDG 16)

- Cultural Diversity
- National Unity
- Natural Beauty of India

Guidelines:

The poem should not be more than 80-100 words.

Use poetic devices (imagery, rhyme, metaphor)

Give your poem a creative title

3. Interview Section- SDG 8

Write an imaginary interview of a tourist visiting Rajasthan and Nagaland

Include:

At least 6–8 questions & answers

Experiences about culture, food, traditions

Comparison of both states

4. Poster Making (Separate A3 Sheet)

Topic: “*Incredible India: Rajasthan Meets Nagaland*” (SDG 11)

Instructions:

Include: Cultural symbols (dress, dance, monuments)

Write a Slogan (short and catchy)

Keep it neat and visually appealing

Magazine Presentation Format

Your file should include:

1. Cover Page (Title + Theme)
2. Index

3. Acknowledgement
4. Articles
5. Poem
6. Interviews
8. Conclusion (What you learned)
9. Bibliography (if any sources used)
10. Poster- separately prepared on a THICK A3 sheet (in the most sustainable form)

General Instructions:

DO NOT BRING PLASTIC FILES OR FOLDERS. (SDG 12)

- Use neat handwriting
- Add headings, borders, and creative elements
- Ensure originality of content
- Maintain proper grammar and vocabulary
- Submit in a well-decorated file/folder made from sustainable materials.

KINDLY NOTE: The last date of submission for the project is 3 July 2026.

Dear students

The famous writer, C S Lewis said, “Literature adds to reality, it does not simply describe it.”

Reading is not merely a habit; it is a quiet awakening of the mind and spirit. In the hushed turning of pages, one discovers worlds unseen, voices unheard, and thoughts unimagined. It refines language, deepens understanding, and nurtures imagination with a grace that no hurried medium can rival. Through reading, we inherit wisdom distilled across ages, learning not only facts but empathy, perspective, and discernment. In an era of fleeting distractions, reading anchors the mind, cultivating patience and focus.

Therefore, we would like to share a list of readable books with you. Knowing, for sure, that you will read the maximum number of books from the given list. You may add more to the list and share with your friends and teachers.

1. The Importance of Being Earnest- Oscar Wilde
2. Brave New World- Aldous Huxley
3. To Kill a Mockingbird- Harper Lee
4. Jonathan Livingston Seagull- Richard Bach
5. The Little Prince- Antoine de Saint-Exupéry
6. Wise and Otherwise- Sudha Murthy
7. Kabuliwala- Rabindranath Tagore
8. The Anxious Generation- Jonathan Haidt.

HINDI



नोट :

- * पोर्टफोलियो हेतु अलग से फाइल बनाएं।
- * पोर्टफोलियो के कार्य के आधार पर अंक प्रदान किए जाएंगे अतः रचनात्मकता के साथ सुसज्जित करें।

1. सब्जियों और फलों से निकलने वाले अपशिष्ट से खाद बनाएं, घर के पौधों में डालें एक पौधा मिट्टी के पॉट में लगायें और अपनी कक्षा के लिए लेकर आएँ, उसकी देखभाल करें।
2. अपने दादा-दादी, नाना-नानी से उनकी जीवन शैली के बारे में बात-चीत करते हुए उसे साक्षात्कार के रूप में लिखें (REDUSE, REUSE, RECYCLE के बारे में चर्चा करते हुए)
3. कला एकीकृत परियोजना (AIP) –राजस्थान एवं नागालैंड का निम्न बिन्दुओं के आधार पर तुलनात्मक अध्ययन करें एवं लिखें -
 1. प्रकृति से सराबोर : नागालैंड एवं राजस्थान (प्रमुख पर्यटन स्थल)
 2. राज्य महोत्सव : दोनों राज्यों के प्रमुख उत्सव
 3. अलबेले नृत्य एवं त्यौहार : दोनों राज्यों के प्रमुख नृत्य और त्यौहार
 4. रंगों में खिलखिलाता : नागालैंड एवं राजस्थान (वेश-भूषा)
 5. प्रेरक व्यक्तित्व : प्रसिद्ध एवं प्रेरक व्यक्तित्व के बारे जानकारी
4. यात्रा वृत्तांत : किसी प्राकृतिक/ऐतिहासिक स्थल की यात्रा का वर्णन करें। जिसमें पर्यावरण एवं ऐतिहासिक इमारतों के संरक्षण का सन्देश भी हो।
5. अपनी रुचि के अनुसार किसी पुस्तक को पढ़ें और उसमें आपको क्या अच्छा लगा लिखें (उपन्यास, जीवनी, आत्मकथा, कहानियाँ, नाटक, संस्मरण, काव्य-संग्रह, यात्रा वृत्तांत)

SANSKRIT



निर्देश- छात्राएँ अवकाश गृहकार्य को अपनी कार्यपुस्तिका में करें।

परियोजना कार्य हेतु A4 साइज़ फाइल का प्रयोग करें।

ग्रीष्मावकाश गृहकार्य –

1. अव्ययानां प्रयोगम् कृत्वा पर्यावरणस्य महत्वम् उपरि पञ्चवाक्यानां निर्माणम् ।
2. स्व दिनचर्याया : वर्णनं (चत्वारि समयवृत्त माध्यमेन)
3. प्रकृति संरक्षण विषये मित्रयो : मध्ये संवाद लेखनं ।
4. प्रत्ययानां प्रयोगम् कृत्वा जलमेव जीवनं विषये पत्रलेखनं ।
5. अपठित गद्यांशानाम् अभ्यासम् । (द्वयम्)
6. चिन्मय मिशन हेतो गीताया : श्लोकानाम् स्मरणं (द्वादश अध्याय – श्लोक संख्या: 1-20)



FRENCH

Instructions:

- *All answers to be given in instructed areas.*
 - *Maintain neatness, creativity and originality in your work.*
 - *Submission on the first day of reopening of the school after summer break.*
1. Make a PPT on SDG thème “Le travail décent et la croissance économique”
The decent work and economic growth. You can add positive & motivating messages, What is decent work, the problems like unemployment, child labour, the solutions & Your work.
 2. **Activite de vocabulaire:**
To write the “Mots Utiles”/ Key words in french related to decent growth and economic growth & make one sentence from every key word.
 3. **AIP TOPIC :** A Comparative study on Rajasthan & Nagaland.
Topics : La Nature et le tourisme, la danse et la musique, la flore et le faune, Les bijoux et les vêtements.



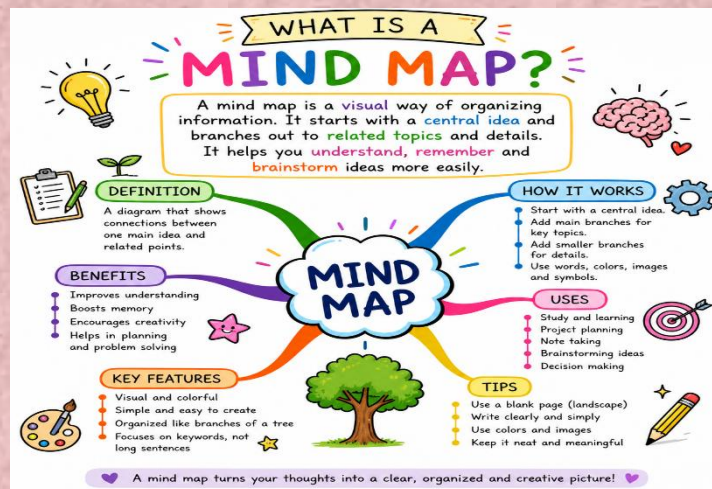
ENJOY LEARNING!!

MATHEMATICS

GENERAL INSTRUCTIONS:

- 1) Do all the questions in A4 Sheets or coloured sheets. Place them in a folder. These can be used as Multiple Assessment/Portfolio.
- 2) Please revise all the work done till now.

ACTIVITY-1:



Design colorful mind maps for the following chapters

- a. Pair of Linear Equations in two variables
- b. Coordinate Geometry
- c. Surface Areas and Volumes

SDG ACTIVITY-2: Compare the monthly expenditure on a petrol vehicle and an electric vehicle (EV) used by any member of your family, neighbour, or relative. Prepare a comparative analysis based on fuel/charging cost, maintenance cost, and overall monthly expenses.



ACTIVITY-3:

Playing Cards and Probability



A pack of 52 playing cards is made up of 4 suits:



Each suit contains 9 number cards:



Each suit also contains 3 royal cards:



The final card in each suit is the ace:



One card is selected at random from a well shuffled pack of cards:

What is the probability of getting...	Probability	Simplest form
a red card		
hearts		
spades		
diamonds		
a six		
an eight		
a queen		
a prime club		
a prime card		
a square number		
a jack of clubs		
a red queen		
a black king		
a red royal card		
a six or a seven		
clubs or a royal card		

What is the probability of getting...	Probability	Simplest form
3 of diamonds		
ace of spades		
royal card		
ten of hearts		
a black three		
an odd card		
an even red card		
a red or a 2		
a king or a queen		
hearts or an ace		
What is the probability of NOT getting...	Probability	Simplest form
a four		
a jack		
a prime		
a royal card		

ACTIVITY-4: Comparative study of Rajasthan & Nagaland for art integrated project under Ek Bharat, Shrestha Bharat

SCIENCE

PHYSICS

Q1. How does a convex mirror differ from a concave mirror in terms of image size?

Q2. How would the image have formed by a concave mirror change if the focal length is halved? Provide reasoning using the mirror equation.

Q3. A convex mirror is used as a security mirror in a shop. Despite being small, it gives a wide field of view. How does the mirror shape affect the field of vision, and what role does the focal length play?

Choose the correct Options:

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation
- (c) A is true but R is false
- (d) A is false but R is true

Q4. Assertion (A): A concave mirror can produce a real image if the object is placed beyond the focal point.

Reason (R): Concave mirrors always form images on the same side as the object.

Q5. Assertion (A): The focal length of a concave mirror is positive.

Reason (R): The focal length of a concave mirror is always negative

Q6. CASE BASED STUDY

Samantha is an engineer working on a project to develop an efficient solar concentrator using spherical mirrors. She decides to test different mirror shapes to maximize the heat concentration at a focal point. She uses a concave spherical mirror with a focal length of 50 cm. During testing, she places a small container of water at the focal point, and she notices that the water heats up rapidly. Samantha observes that when the mirror is aligned precisely, the sunlight converges at a single point, heating the container. However, when she uses a convex mirror by mistake, the After a week of testing, Samantha also tries different object distances from the mirror. When she places the container slightly beyond the focal point, the heat intensity drops. But when the container is exactly at the focal point, the temperature rises significantly.

Questions:

1. Identify the type of mirror used in Samantha's experiment.
2. Why does the concave mirror focus sunlight to a single point?
3. Why is a convex mirror not suitable for this application?
4. What practical advantages does this type of solar concentrator offer in real-life applications?

Q7. If a convex mirror has a focal length of -15 cm and the object is 20 cm away, what is the magnification, and is the image real or virtual?

CHEMISTRY

Tick the correct option-

1. Which of the following is an example of simple displacement-

- (a) electrolysis of water
- (b) burning of methane
- (c) reaction of metal with acid
- (d) reaction of two salt solutions to form precipitate

2. Ruchi took 5mL of lead nitrate solution in a beaker and added approximately 4mL of KI solution to it. What would she observe?

- (a) solution turned red
- (b) yellow precipitate was formed
- (c) white precipitate was formed
- (d) the reaction mixture becomes hot

3. On heating lead nitrate in a test tube we observe-

- (a) fumes of yellow colour
- (b) melting of lead nitrate
- (c) formation of black solid
- (d) fumes of brown colour

4. Why is respiration considered a exothermic reaction?
 5. What happens when ferrous sulphate is heated. Write balanced chemical reaction along with the two observations.
 6. Write balanced chemical reaction taking place when (i) iron reacts with steam
(ii) magnesium reacts with dilute hydrochloric acid
(iii) copper is heated in air
- ART INTEGRATED PROJECT-As instructed in the class.

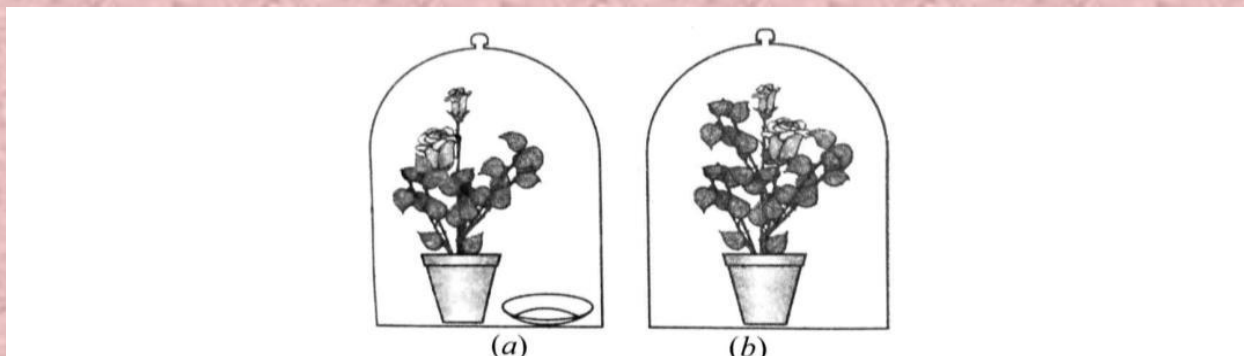
BIOLOGY

I Solve the questions given below:

1. Is 'nutrition' a necessity for an organism? Discuss.
2. Leaves of a healthy plotted plant were coated with Vaseline will this plant remain healthy for long? Give reasons for your answer.
3. What is the role of HCl in protein digestion?
4. Why is the inner wall of alimentary canal not digested although the digestive enzyme can digest all the materials that make cells?
5. In each of the following situations what happens to the rate of photosynthesis?
(a) Cloudy days (b) No rainfall in the area (c) Stomata gets blocked due to dust.

CASE BASED QUESTION

6. Given below is the experimental set-up to establish that one of the atmospheric gases is essential for photosynthesis in plants.



- (a) Name the atmospheric gas which is essential for photosynthesis.
 - (b) What is kept in watch-glass in figure 'a' and why?
 - (c) Write the balanced chemical equation for the process of photosynthesis.
 - (d) When do the desert plants take-up carbon dioxide and perform photosynthesis?
7. Select the correct option:
 - a. Both A and R are true and R is the correct explanation of A.
 - b. Both A and R are true and R is not the correct explanation of A.
 - c. A is true but R is false.
 - d. A is False but R is true.

Assertion: The digested food which is not used by our body immediately is stored in the liver in the form of a carbohydrate starch.

Reason: The stored food can be used as a source of energy by the body as and when required.

PRACTICAL FILE

PHYSICS

To trace the path of a ray of light passing through a rectangular glass slab and measure the angle of incidence, angle of refraction and angle of emergence.

CHEMISTRY

To find the pH of the following samples by using pH paper / universal indicator:

- a) Dilute hydrochloric acid solution (HCL)
- b) Dilute sodium hydroxide (NaOH) solution
- c) Dilute ethanoic acid solution
- d) Tap water
- e) Lemon juice
- f) Dilute sodium bicarbonate (NaHCO_3) solution

BIOLOGY

To prepare a temporary stained mount of a leaf peel to show stomata

SOCIAL SCIENCE

Art Integrated Project

1. Ek Bharat Shrestha Bharat Programme.
2. Paired State: Rajasthan And Nagaland
3. PREPARATION OF THE PROJECT-
4. Class will be divided into groups (of 6) by the class teacher.
5. Each group will be assigned certain topics/theme to work on under a common project.
6. Class-wise Themes/topics will be shared shortly
7. The project writing will be done during the regular school time.
8. The group/class teacher can choose a group leader.
9. Work will be further divided mutually among the group members.

SUBMISSION –

10. Each group member will do the assigned work in a file / loose sheets (hard copy) as instructed.
11. Each student will write their name, class, section on the sheet completed and will give the sheet to the group leader.
12. Group leader will collate all the sheets and prepare a file along with the index page and submit it to her Class Teacher.
13. The number of pages should not exceed 6 to 7. Marks will be deducted in case sheets exceed the given number.
14. All the individual work of the students in files will also be collated with pictures/images as a complete file of the Group and will be submitted to the Class Teacher.

ASSESSMENT –

1. AIP project will be assessed in the month of August.
2. Each group will present the Project on the assigned date of Assessment for their class.
3. Each member will present the sheet/page which is prepared by her.
4. Assessment will be based on the Project and question answers based on their presentation.
5. Assessment marks will be included in the Subject Enrichment Activity.
6. Assessment Rubrics will be shared. AIP (Social Science) – Rajasthan and Nagaland
7. Group 1: Location and Climate
8. Group 2: Physical Features
9. Group 3: Rivers and lakes.
10. Group 4: Tribals and People
11. Group 5: Clothing and Handicraft
12. Group 6: Culture of Nagaland and Rajasthan

The below mentioned assignments are a part of Social Science Internal Assessment. Each assignment is of 5 marks. Timely completion and submission of the projects is mandatory for awarding marks.

Assignment 1 Inter Disciplinary Project

For inter disciplinary project students to be divided into groups (by subject teacher) where they have to work individually on preparation of slides on the given topic to each.

Topics are as follows:

1. Trace the history of globalization and point out the shifts within the process.
 2. Analyse the implication of globalization on local economies.
 3. Examines the importance of transportation for the economic growth and development in India.
 4. Analyse the impact of roadways and railways on the national economy. Evaluates the challenges faced by the roadways and railway sector in the country.
 5. Discuss how globalization is experienced differently by different social groups.
 6. Connect the role of means of transport and communication in the process of globalization.
 7. Investigate the factors that facilitated the growth on MNC 's
- Each group will have to prepare the presentation with 5-6 slides in which compiler have to incorporate learning objective and learning outcome of the ppt.

Students should incorporate the following aspects in the project e.g. -

1. Research work (interview)
2. Role play
3. Story based presentation
4. Art integration – collage, poster
5. Interactive bulletin board
6. Concept map
7. Gallery work
8. Integration of technology

Assignment 2 – Subject Enrichment Activity

Individual projects to be prepared by each student on any one of the following topics (topic to be assigned by the respective subject teacher)–

1. Consumer Rights- type of rights enjoyed by consumers
2. Consumer redressal process
3. Consumer awareness –
 - food items
 - electronics
 - jewellery
4. Consumer awareness through interviews and case study
5. Narmada bachao aandolan and Tehri dam aandolan
6. Swachh Bharat abhiyan
7. Chipko movement
8. Environment movement- Rajendra Singh Waterman of India and Tiloniya village
 1. SDG 1 No Poverty – End poverty in all forms everywhere
 2. SDG 2 Zero Hunger – End hunger and improve food security
 3. SDG 3 Good Health and Well-being – Ensure healthy lives for all
 4. SDG 4 Quality Education – Provide inclusive, equitable education
 5. SDG 5 Gender Equality – Achieve equality and empower women and girls
 6. SDG 6 Clean Water and Sanitation – Ensure access to safe water and sanitation
 7. SDG 7 Affordable and Clean Energy – Access to sustainable energy
 8. SDG 8 Decent Work and Economic Growth – Promote jobs and economic growth

9. SDG 9 Industry, Innovation and Infrastructure – Build resilient infrastructure
10. SDG 10 Reduced Inequalities – Reduce inequality within and among countries
11. SDG 11 Sustainable Cities and Communities – Make cities safe and sustainable
12. SDG 12 Responsible Consumption and Production – Sustainable use of resources
13. SDG 13 Climate Action – Combat climate change
14. SDG 14 Life Below Water – Protect oceans and marine life
15. SDG 15 Life on Land – Protect forests, biodiversity, and ecosystems
16. SDG 16. Peace, Justice and Strong Institutions – Promote peaceful societies
17. SDG 17 Partnerships for the Goals – Strengthen global cooperation

Compulsory content to be included in the project are:

1. Content /index
2. Learning objective
3. Introduction to the topic
4. Case study (if any)
5. Conclusion – innovative ideas generated in the process
6. Bibliography
7. Questionnaire

DATA SCIENCE

Screen Time Analysis:

Students will perform an audit on their usage of screen time for a week. They will follow the pointers given below to perform the audit and come to a conclusion. Prepare a report in pdf format and share it on disha.dhvani@gmail.com.

What to do:

- Track screen time (mobile/TV/laptop) for 5–7 days

Data to collect:

- Hours spent daily on screen
- Purpose (study, entertainment, social media)
- Electricity consumption by different devices

Statistical Analysis:

- Mean screen time
- Day with highest usage
- Percentage time for study vs entertainment

Graphical Representation

- Pie Chart - Percentage purpose of screen time usage distribution.
- Bar Graph- Daily usage of the screen

Conclusion:

- What did you learn?
- Suggest 5 practical ways to reduce screen time.

INFORMATION TECHNOLOGY

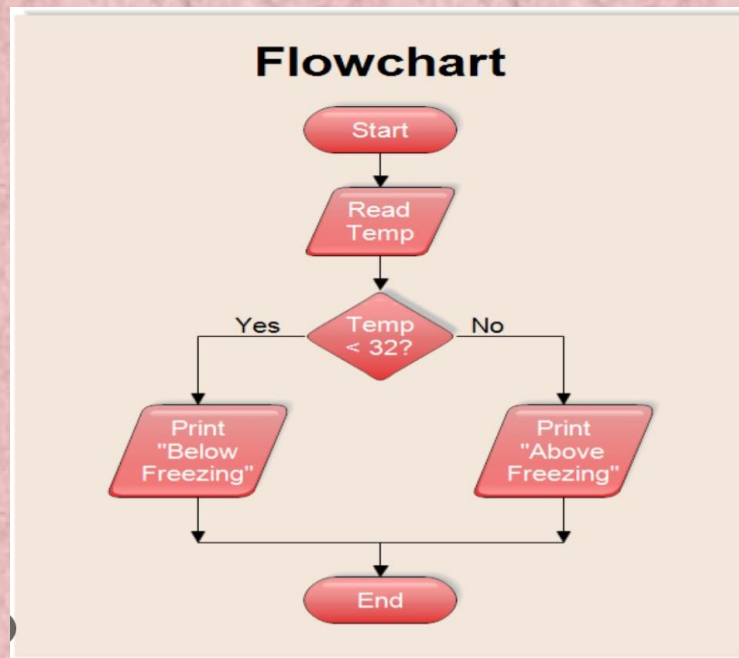
Ques. 1. Write an article using LibreOffice Writer on 'Cybercrimes' in about 300 words.

- Give appropriate title, headings, and subheadings in the document. For headings, use Heading 2 and for subheadings use Heading 4.
- Apply different styles to the different parts of the document.
- Customize an existing style by changing its font properties.
- Add your salutation at the end of the document; format it as per your choice and create a style.
- Add a page number on each page. It should appear in the Footer.
- Use tables to represent the number of cybercrimes in a year, which should be written in Roman numerals.

Ques. 2. Design a poster using LibreOffice Writer on 'Global Warming'. Include appropriate images and drawing objects in the poster.

Ques. 3. Write five paragraphs in LibreOffice Writer on the 'Role of AI in the Education Sector'. Include an appropriate image with every paragraph and wrap it within the text by using different Wrap commands.

Ques. 4. Miss Roshni has downloaded a flowchart to be included in her report. She asks for your help in creating an editable copy of the flowchart. Draw this chart using the Drawing tools of LibreOffice Writer.



MULTI MEDIA

1. Explain Maya Autodesk 2015 interface.
2. Explain 5 tools of Maya and write their utility.
3. Present the different types of communications in graphical form.
4. What do you understand by layers?
5. Identify the role of entrepreneur and his importance in the improvement of society.
6. Describe different types of threats to computer.
7. Define Hotkeys. Explain any two hotkeys used in Maya Autodesk.
8. Identify and write the following questions based on the following: -
 - What does SDG 4 focus on improving?
 - Which SDG advocates for gender equality?
 - What does SDG 13 address in terms of global issues?
 - Which goal aims to ensure clean water and sanitation?
 - Which SDG aims to end poverty in all its forms?
9. Design a project or model using **e-waste materials** like old wires, keyboard pieces, bottles, cardboards etc that represent the idea of **SDG-12 Responsible consumption and Production**.

10. Match the following: -

<i>Situation</i>	<i>Skill</i>
Knowing your strengths	?
Controlling anger	?
Completing tasks on time	?

Options are as follows: -

*Self -awareness * Emotional control * Time management

ARTIFICIAL INTELLIGENCE

(In practical file)

Q1 Design the AI Project assigned by the teacher in the classroom as follows.

Group 1	Responsible Consumption and Production (SDG 12)
Group 2	Affordable and clean energy (SDG 7)
Group 3	Sustainable cities and communities (SDG 11)
Group 4	Driver Drowsiness Detection System
Group 5	Happiness Guru

Guidelines for the project are detailed as per the project of Group 1 as an example on the given link. The other Groups to work upon similar guidelines-

Guidelines –

https://docs.google.com/document/d/1EPtYXA8XKKILTWr451Txs20wt-m5bO_EqFo-wb16x5g/edit?usp=sharing

FOOD PRODUCTION

- Prepare a PowerPoint presentation illustrating various cuts of vegetables and fruits.
- PowerPoint presentation including one recipe each based on at least five different methods of cooking. Paste miniature printouts of the slides in the practical file.

Note: All work in the practical file should be completed as per the instructions discussed in class.

INTRODUCTION TO FINANCIAL MARKETS

HOLIDAY HOMEWORK: “My Money, My Planet”

Theme: Using Financial Literacy to Achieve SDG Goals

Submission: First week after holidays

Objective

Apply basic IFM concepts like saving, budgeting, banking, mutual funds, insurance, and digital payments to real-life situations that support UN Sustainable Development Goals.

Task:

“₹1000 SDG Budget Challenge” | SDG 1: No Poverty, SDG 12: Responsible Consumption

IFM Topics: Budgeting, Savings, Bank Account, UPI

Task:

1. Plan: You get ₹1000 for 15 days. Make a budget table with 2 columns: Needs vs Wants. Allocate money keeping SDG 12 in mind. Ex: Buy refill pack not small sachets = less plastic.
2. Execute: Track actual spending for 15 days in a diary/app. Use UPI/cash. Note every transaction.
3. Save: Try to save at least ₹200. Deposit it in your bank/post office account. Paste deposit slip screenshot.
4. Analyze: Answer in 5 lines:
 - What % did you save? Formula: $(\text{Savings}/1000) \times 100$
 - How did budgeting help reduce waste = SDG 12?
 - If 10 crore students save ₹200, how much capital for

Instructions

1. Word Limit: Min 4-5 pages in total (handwritten or typed)
2. IFM Terms to Use: At least 6 - budget, savings, bank account, UPI etc.
3. SDG Link: Start your project with “*This project supports SDG: because*”



**HAPPY
SUMMER
VACATION!**