| **CLASS – IX** | **Summer Holidays Homework-2023** |
|---|---|

## ENGLISH

**General Instructions:**

- Students need to prepare the project on the topic assigned to their roll-number group.
- The project is to be prepared as per the instructions detailed below.
- The "Creative Writing" section should be done by all the students in their respective subject notebooks.
- **Date of Submission:** 7 July, 2023

### Roll Numbers.: 1-10

On an A3 size sheet, give a pictorial representation depicting any of the prose/poems of your choice from the following:

1. How I Taught my Grandmother to Read
2. A Dog Named Duke
3. The Brook
4. Road Not Taken

### Roll Numbers.: 11-20

You love to travel and explore. Imagine yourself to be a computer programmer and design an itinerary of any of your favorite destinations illustrating it graphically. Do it on an A-3/A-4 size sheet.

### Roll Numbers: 21-30

Design a school newspaper highlighting the major attractions of your school. Include the basic overview of the school structure and its goals. Do it on a Pastel Sheet or Cartridge sheet. The newspaper content should be handwritten/drawn. You may include the following sections:
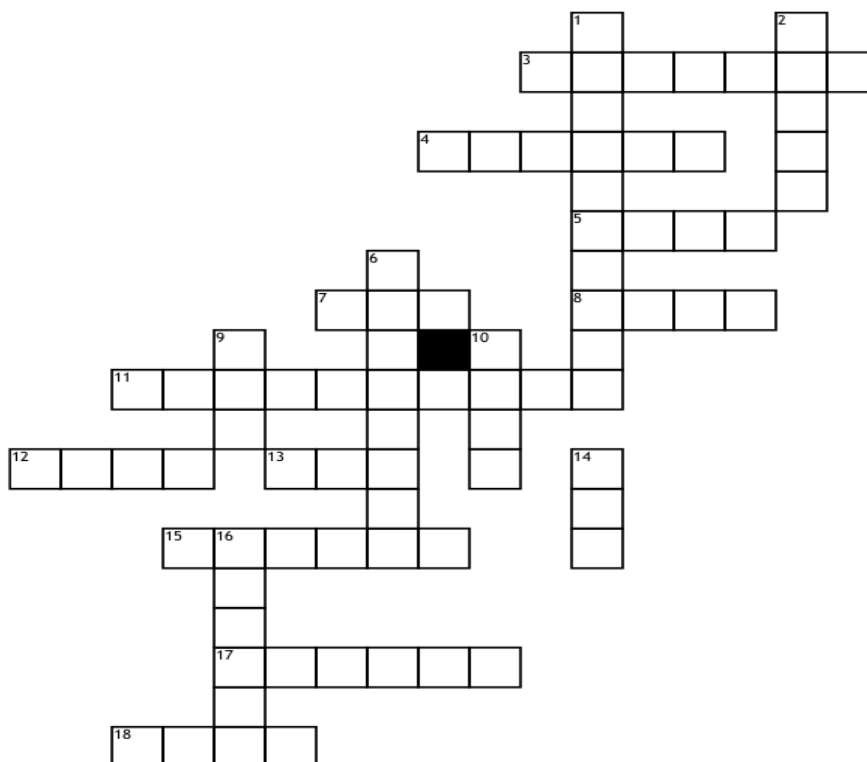
- Infrastructure
- Academic Goals
- Sports
- Major attractions
- House Achievements
- School Assembly

### Roll No.: 31 onwards

Make a crossword/puzzle creating hints on any of the following Grammar topics on an      A-3/A-4 size sheet. You may take a hint from one such crossword given below:

1. Verbs
2. Adverbs
3. Conjunctions
4. Determiners
5. Modals

# Amazing Adverbs And Voracious Verbs



## Across

**3.** An adverb for happy
**4.** This word has the same meaning as lightly
**5.** The word means single
**7.** What do Bunnies do to stay active?
**8.** Hopping with one leg and on to the next
**11.** Another word for prettily
**12.** Making a loud sound with your mouth after you eat or drink something
**13.** A word for lightly running
**15.** The same meanng as forever
**17.** The word has the same meaning as barely
**18.** The oppisite of run

## Down

**1.** Another word for careful
**2.** The oppisite of wake
**6.** The oppisite of hatefuly
**9.** The oppisite of drink
**10.** Another word for hop
**14.** The oppisite of walk
**16.** Another word for softly

## Creative Writing

1. **Movie Time**: Write a movie review of any of your favourite movies you watched during summer break in your English Writing Skills Register. (125-150 words)
2. **Dialogue Writing**: Create 10-12 dialogues between two friends upon any of the following topics:
   - Friendship
   - Life goals
   - School
   - Movies
   - Social Websites

3. **Paragraph Writing:** Write a paragraph in about 100-120 words on any of the following topics:
   - A Friendly Clown
   - Gregory- My Pet Cat
   - The House of my Dreams
   - My Hometown
   - My Grandmother
4. **Critical Appreciation:** Give a critical appreciation of all the poems done so far.(100-125 words)
5. **Write the character sketch of the following:**
   - Grandmother: How I Taught My Grandmother to Read
   - Charles Hooper: A Dog Named Duke

## FRENCH

GENERAL INSTRUCTIONS:
- All questions are to be done by all the students.
- Students to make an A4 size Book cover given in Q1(as per the instructions given below)
- Students to make an A3 size Travel Brochure given in Q2 (as per the instruction given below)
- Assignment questions to be done in French notes register by all students.
- **Date of submission**: 5th July 2023

Q1.Book cover: Make an attractive Book cover on any of your favorite novels and translate its first and the last page in French, on A4 size sheet. Use your creativity to enhance its beauty by adding colors and pictures.

Q2. Make a 'Travel Brochure' of Andaman and Nicobar Islands. Write about the famous tourist attractions, culture, religion, climate, activities, food, hotels etc.  Paste or draw necessary pictures along with it. Make it beautiful and creative on A3 size sheet in a trifold style.

Q3. Make a dice/board game on any of the following topics:
   a) L'heure (Time)
   b) Les temps (Tenses)

**Assignment**

Q1.Invitez votre ami(e) pour votre anniversaire. Rédigez cette invitation en 30-35 mots.

Q2.Décrivez le personnage dans cette image à
    l'aide des mots donnés (30-35 mots) :
    (pro fesseur, le français, cheveux bruns,
    lunettes, souriante, beau)



# हिंदी

## सामान्य निर्देश

### खंड अ

- विद्यार्थियों को अनुक्रमांक के अनुसार कार्य सुनिश्चित किया गया है।
- प्रत्येक विद्यार्थी को अपने अनुक्रमांक के अनुसार नीचे दिए गए निर्देशों को ध्यान में रखते हुए परियोजना करनी है।
- परियोजना आकर्षित,विशेष बिंदुओं, तथ्यों व चित्रों से परिपूर्ण होनी चाहिए।

### खंड ब

- इस खंड के सभी प्रश्न सभी विद्यार्थियों द्वारा हिंदी रजिस्टर के व्याकरण भाग में किए जाएँगे।

### ग्रीष्मावकाश कार्य जमा करने की तिथि: 10 जुलाई, 2023

## खंड अ

'अंडमान; मलयालम भाषा के हांदुमन शब्द से आया है, जो हिंदुओं के भगवान 'हनुमान' शब्द का परिवर्तित रूप है।' निकोबार' शब्द भी इसी भाषा से लिया गया है जिसका अर्थ होता है- नग्न लोगों की भूमि। अंडमान एवं निकोबार द्वीपसमूह भारत का एक केन्द्र शासित प्रदेश है। यह बंगाल की खाड़ी के दक्षिण में हिंद महासागर में स्थित है। अंडमान में सुंदर सागर तट, यादों से जुड़े खंडहर और विभिन्न दुर्लभ वनस्पतियाँ हैं। समुद्री जीव और जैव वनस्पतियों, इतिहास और जल संबंधी खेलों में रुचि रखने वाले पर्यटकों को यह द्वीप बहुत पसंद आता है। अरब सागर में स्थित 'लक्षद्वीप' भारतीय उपमहाद्वीप का हिस्सा है। 'लक्षद्वीप' का मलयालम और संस्कृत में मतलब होता है 'लाखों द्वीप'। लक्षद्वीप का भूगोल बहुत दिलचस्प और खूबसूरत है। यह जगह वनस्पतियों और जीव जंतुओं की किस्मों से समृद्ध है।

**अंडमान एवं निकोबार द्वीपसमूह**　　　　　　**लक्षद्वीप**



**अनुक्रमांक के अनुसार दिए गए परियोजना कार्य को आकर्षक तथा रचनात्मक रूप में तैयार कीजिए:-**

**अनुक्रमांक 01-10**

'अंडमान एवं निकोबार द्वीपसमूह' से संबंधित किसी लोक कथा की जानकारी प्राप्त कीजिए तथा 'डिब्बा चित्र अलबम' (box photo album) में सम्पूर्ण जानकारी देते हुए आकर्षक परियोजना तैयार कीजिए।

**अनुक्रमांक 11-20**

'लक्षद्वीप' के पर्यटन स्थलों पर आधारित आकर्षक चित्र सहित दस (10) पृष्ठों की विवरणिका (brochure) तैयार कीजिए।

**अनुक्रमांक 21-30**

अपने मित्र को 'अंडमान एवं निकोबार द्वीपसमूह' की सुंदरता से परिचित कराने के लिए चित्र सहित एक स्वरचित कविता का निर्माण ग्रीटिंग कार्ड के रूप में कीजिए।

**अनुक्रमांक 31-40**

'लक्षद्वीप' की संस्कृति व त्योहारों का वर्णन करते हुए दस (10) पृष्ठों की स्क्रैपबुक का निर्माण कीजिए।

<div align="center">

**खंड ब**

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**निम्नलिखित ग्रीष्मावकाश कार्य हिंदी उत्तर पुस्तिका के व्याकरण भाग में साफ़ एवं सुंदर लेख में कीजिए :-**

1 आजकल बच्चे अपनी पढ़ाई से विमुख होकर कार्टून फ़िल्में देखते हैं। इससे बच्चों के मन में हिंसा की भावना पनप रही है। इस विषय पर दो सहेलियों रूपा और रश्मि के बीच हुई बातचीत को संवाद के रूप में (100) शब्दों में लिखिए।

2 आप स्वामी विवेकानंद छात्रावास, जयपुर रोड कोटा, राजस्थान के छात्र हैं। आपके विद्यालय से जम्मू-कश्मीर भ्रमण हेतु छात्रों का एक दल जा रहा है। इस यात्रा में शामिल होने के कारणों का उल्लेख करते हुए (120) शब्दों में अपने पिता जी से अनुमति माँगते हुए पत्र लिखिए।

3 दिए गए चित्र को ध्यान से देखकर अपने मन में उभरे विचारों को अपनी भाषा में (100) शब्दों में प्रस्तुत कीजिए:-



**MATHEMATICS**

**Section 1:**
**Roll no. 1-9**
1. To verify heron's formula for any three triangular objects in daily life.
   (to be done in Math activity file)
**Roll no. 10-18**
2. Make a 3D model for square root spiral using thread.
   (Hint: https://youtu.be/VYwBX7GAgXo )
**Roll no. 19-27**
3. Make a spin wheel for algebraic identities.
   (Hint: https://youtu.be/RR__1OMK_Ww )
**Roll no. 28 onwards**
4. Make a 3D model to verify the identity $(a+b)^3$.
   (Hint: https://youtu.be/ALtKz2AoN2c)

**Section 2:**

Q1. Find the value of each of the following :

   a) $(2\sqrt{3} + 5\sqrt{5} - 7\sqrt{7}) + (3\sqrt{5} - \sqrt{3} + 7)$

   b) $5\sqrt{2} \times 3\sqrt{10} \times 2\sqrt{15}$

   c) $\frac{4\sqrt{3}}{2-\sqrt{2}} + \frac{30}{4\sqrt{3}-3\sqrt{2}} - \frac{3\sqrt{2}}{3+2\sqrt{2}}$

Q2. Rationalize and find the values of a and b $\frac{7+\sqrt{5}}{7-\sqrt{5}} - \frac{7-\sqrt{5}}{7+\sqrt{5}} = a + \frac{7\sqrt{5}}{11}b$

Q3. If $x = 2 + \sqrt{3}$, then find the value of $x^2 + \frac{1}{x^2}$.

Q4. Can the product of an irrational number and rational number be a rational number? Justify your answer.

Q5. Simplify each of the following by removing radical signs and negative indices wherever they occur.

   a) $\sqrt[5]{(32)^{-3}}$
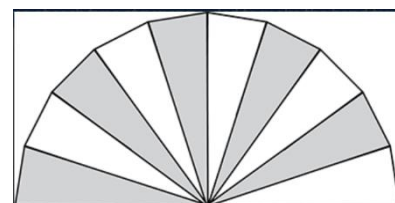
   b) $(\sqrt{4})^{-7} \times (\sqrt{2})^{-5}$

Q6. Simplify: $\frac{(25)^{\frac{3}{2}} \times (343)^{\frac{3}{5}}}{16^{\frac{5}{4}} \times 8^{\frac{4}{3}} \times 7^{\frac{3}{5}}}$

Q7. If $(5)^{x-3} \times (3)^{2x-8} = 225$, then find the value of $x$.

Q8. The sides of a triangular park are 8m, 10m and 6m respectively. A small circular area of diameter 2m is to be left out and the remaining area is to be used for growing roses. How much area is used for growing roses? (Use $\pi = 3.14$)

Q9. The lengths of the sides of a triangle are 5cm, 12cm and 13cm. Find the length of perpendicular from the opposite vertex to the side whose length is 13cm.

Q10. A hand fan is made by stitching 10 equal size triangular strips of two different types of paper as shown in figure. The dimensions of equal strips are 25 cm, 25 cm and 14 cm. Find the area of each type of paper needed to make the hand fan.

# SCIENCE

**GENERAL INSTRUCTIONS:**
- Homework has two sections:
  - Section 1 is Model making; Students to check their class roll numbers when making models(Preferably a working model)
  - Sections 2 is an assignment. Assignment to be done in their respective subject notebooks by all the students.
  - Portfolio activity is to be done by all the students.
- **Date of Submission:**
  - Assignment (Section 2): 6 July, 2023
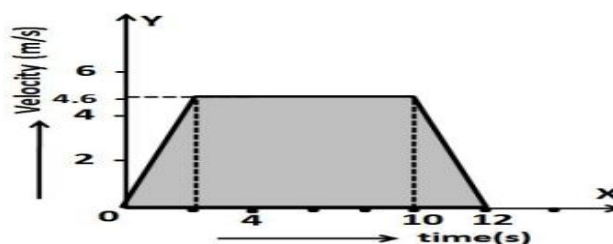  - Models (Section 1): 7 July, 2023

**Section 1:**

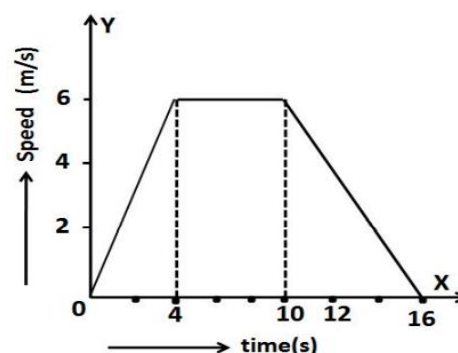| S. NO. | TOPIC | ROLL NO. |
|--------|-------|----------|
| 1 | Prepare a game on the topic : Cell and its organelles ( Snake & ladder, Word Bingo, Word search etc) | 1-8 |
| 2 | Innovative ways to reduce Carbon Footprint | 9-16 |
| 3 | Working model demonstrating application of Newton's Second Law of Motion. | 17-24 |
| 4 | Healthy and Clean India –A Step towards Progressive Country. | 25-32 |
| 5 | Working model demonstrating the application of Archimedes' principle | 33 onwards |

**Section 2:**

## PHYSICS

1. A car drives from A to B with a uniform speed of 30 km per hour and returns with the speed of 20 km per hour. Find out its average speed.

2. What is the acceleration of a body moving with uniform velocity along a straight line?

3. A car moving with a speed of 72 km per hour is brought to rest in 10 seconds by applying break. Find the magnitude of the retardation due to break and distance travelled by the car after applying brakes.

4. A train is travelling at a speed of 90 $kmh^{-1}$. Brakes are applied so as to produce a uniform acceleration of $- 0.5$ $ms^{-2}$. Find how far the train will go before it is brought to rest.

5. The velocity time graph of an ascending passenger lift is attached. What is the acceleration of the lift:
   (a) during the first two seconds?
   (b) between 2nd and 10th second?
   (c) during the last two seconds?

6. Study the speed-time graph of a body shown. Answer the following questions:
   (a) What type of motion is represented by OA?
   (b) What type of motion is represented by AB?
   (c) What type of motion is represented by BC?
   (d) Calculate the acceleration of the body.
   (e) Calculate the retardation of the body.
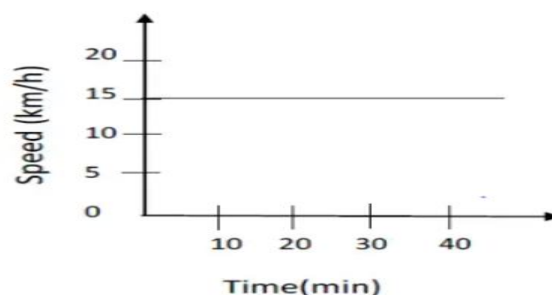   (f) Calculate the distance travelled by the body from A to B.

7. Abdul while driving to school, computes the average speed for his trip to be 20 km/h. on his return trip along the same route, there is less traffic and the average speed is 30km/h. What is the average speed for Abdul's trip?

8. The figure gives the speed time graph for a particle.
   Find the distance covered by the particle
   (a) between t= 30min. and t= 40min.
   (b) between t=10 min and t=40 min
   (c) What is the speed of the particle?

9. During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the spaceship from the ground station? The signal travels at the speed of light, that is, $3 \times 10^8 \text{m s}^{-1}$.

10. The driver of a car travelling along a straight road with a speed of 72 km/h observes a signboard, which give the speed limit to be 54 km/h. The signboard is 70m ahead when the driver applies the brakes calculate the acceleration of the car, which will cause the car to pass the signboard at the stated speed limit?

## CHEMISTRY

1. A solution contains 80 g of salt in 420 g of water. Calculate the concentration of solution in terms of mass by mass percentage of the solution.

2. Define solubility. How does it vary with temperature?

3. Classify the following as physical change or chemical change.
   (a) Burning of magnesium ribbon in air
   (b) Burning of Sulphur in air
   (c) Electrolysis of water
   (d) Preparation of sugar solution
   (e) Conversion of milk into curd
   (f) Burning of coal

4. Three students A, B and C prepared mixtures using chalk powder, common salt and milk respectively in water. Whose mixture:
   (a) would not leave residue on filter paper after filtration?
   (b) would show Tyndall effect?
   (c) would give transparent/ clear solution?
   (d) would settle down at the bottom when left undisturbed?
   (e) could be filtered by filter paper?

5. Explain why, water is a compound and not a mixture?

6. What is the solute and solvent in brass, tincture iodine and air?

7. If 10 ml of HCl is dissolved in 190 ml of water, calculate the concentration of solution (v/v).

8. Smoke and fog are both aerosols. In what way are they different?

9. During an experiment, the students were asked to prepare a 10% (Mass/Mass) solution of sugar in water. Sam dissolved 10g of sugar in 100g of water while Siya prepared it by dissolving 10g of sugar in water to make 100g of the solution.
   (a) Are the two solutions of the same concentration
   (b) Compare the mass % of the two solutions.

10. Based on the following characteristics distinguish in tabular form the behavior of true solution, suspension and colloidal solution:
    (a) Appearance
    (b) Visibility
    (c) Filterability
    (d) Tyndall effect
    (e) stability
    (f) Particle size

## BIOLOGY

1. What would happen to the life of a cell if there was no Mitochondria?

2. You took a fresh tomato and put it in a highly concentrated salt solution for 2 hrs. Your little brother looked at it and stated "The fat tomato is so thin now" What a magic! Define the phenomenon which has taken place.

3. A cell is called the structural and functional unit of life. Explain. What is the meaning of division of labor? Is it different from cell to cell?

4. What is the advantage of having deeply folded membrane in mitochondria?

5. State two differences between nuclear region of a bacterial cell and nuclear region of an animal cell.

6. What is Chromatin material and how does it change just before the cell division?

7. What will happen when:
   (a) Dry apricots are left for some time in pure water and later transferred to sugar solution?
   (b) A red blood cell is kept in concentrated saline solution.
   (c) Rheo leaves are boiled in water first and then is placed in the sugar syrup.

8. Give any two differences between light microscope and electron microscope.
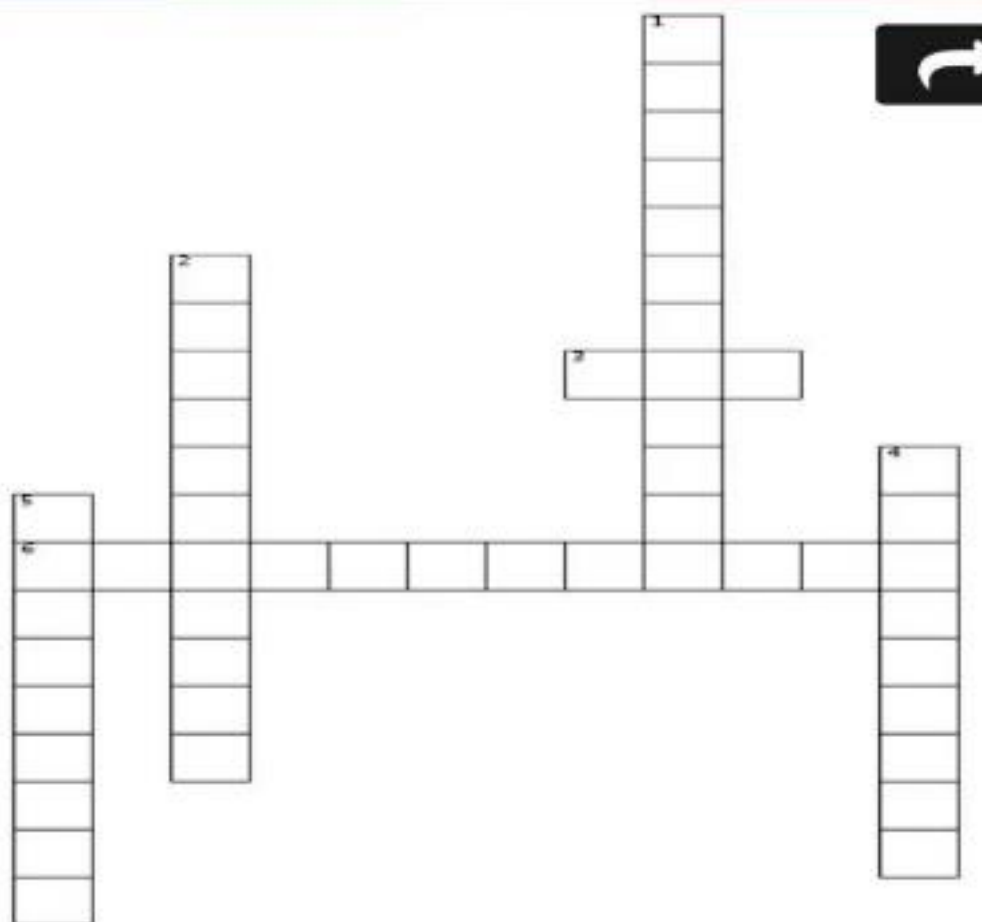
**9. Crossword Puzzle**
   **ACROSS**
   3. _____ stands for deoxyribonucleic acid.
   6. These are important for photosynthesis in plants.
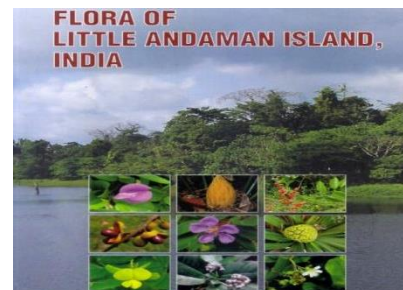   **DOWN**
   1. They are the powerhouses of the cell
   2. Paramecium is a _____ organisms
   4. It is a kind of waste disposal system of the cell
   5. One of the biologists who presented the cell theory

# PORTFOLIO ACTIVITY

Biodiversity is the greatest treasure we have and the Andaman and Lakshadweep islands are home to some of the richest varieties of flora and fauna. Prepare a model (on cardboard) of rich flora and fauna of Andaman and Lakshadweep islands using clay or eco-friendly waste material.

Instructions: Write about any one endemic species of flora and fauna found in Andaman and Lakshadweep islands on an A4 size sheet.

## SOCIAL SCIENCE

**GENERAL INSTRUCTIONS:**
- Class wise topics have been assigned for students.
- Students need to prepare a project on the topic assigned to them.
  The project report to be prepared as per the instructions detailed below.
- Assignment Questions to be done in the Economics register by all students.
- **Date of Submission:** 5 July, 2023

**Project on -Disaster Management**

**IX-A**: Role of technology in preparation of mitigation strategies during a disaster.
**IX-B**: Gather information on the Government recommendation for the contents of the home preparedness kit and state its importance.
**IX-C**: Role of National Disaster Management Authority in the aftermath of a disaster.
**IX-D**: Response and recovery in India after the December 2004 earthquake in Andaman and Nicobar Islands and Indian Ocean tsunami.

Prepare a detailed project in **Social Science Activity-File** on the above-mentioned topic according to following headings:

The Project File should have the following (in the order mentioned)
1. **COVER PAGE**- showing project title, schools name, students name, class and section and academic session (2023-24)
2. **CONTENTS**- Table of contents with page number (approx...15 pages)
3. **PROJECT OVERVIEW**: Purpose, aim, methodology and experience while doing the project
4. **MAIN BODY**- Chapters with relevant headings.
5. **CONCLUSION**- Summary and conclusions based on findings.
6. **BIBLIOGRAPHY**- should have the title, pages referred, author, publisher, year of publication and if a website, the name of the website with a specific link which have been used.
   NOTE: Only eco-friendly material to be used for the PROJECT.

**Assignment**
1. Farmers of which two states were the first to use modem farming methods in India? Mention any four positive effects of it.
2. What problems do farm laborers face in terms of unemployment? Explain any three problems.
3. Define Green Revolution. How is Green Revolution different from traditional farming?
4. Why is Indian Ocean named after the country India? Give reasons.
5. Name the countries which share boundary with India and mark their locations on a political map of India.
6. Who was Robespierre? What measures were taken by him to bring equality in the French Society?
7. Explain the events that led to the insurrection of 1792 in France.
8. 'While the National Assembly was busy at Versailles drafting a constitution, the rest of France seethed with turmoil'. Elucidate.
9. Describe the effects of abolition of law of censorship on France.
10. Read the source given below and answer the following questions:
    In his Two Treatises of Government, Locke sought to refute the doctrine of the divine and absolute right of the monarch. Rousseau carried the idea forward, proposing a form of government based on a social contract between people and their representatives. In The Spirit of the Laws, Montesquieu proposed a division of power within the government between the legislative, the executive and the judiciary. The ideas of these philosophers were discussed intensively in salons and coffee-houses and spread among people through books and newspapers. These were frequently read aloud in groups for the benefit of those who could not read and write. France was a monarchy before the French revolution in 1789. Monarchy means France was ruled by a hereditary king. Louis XVI was the king of France. The first estate was clergy (priestly class). The second estate was nobles (rich people). The third estate was the commoners (poor and middle-class people). The first and second estates lived the luxurious life. These two estates were getting all the high- ranking jobs. People in third estate were less developed and poor. The third estate revolted against the king, clergy and nobles. This marked the beginning of French revolution.

1. Write down Rousseau's ideas regarding government.
2. During 1789 France was ruled by which monarchy?
3. Write a comparative study between Locke's views and Montesquieu's views on state.
4. Write a short note on the life style of first and second estate.
5. Write down the financial status of the third estate.

# ARTIFICIAL INTELLIGENCE

**GENERAL INSTRUCTIONS:**
• Roll number-wise topics have been assigned for students.
• AI holidays homework has two sections: -
- Section 1 is Chart / Movie /Model making; Students to check their class roll numbers when making models.
- Sections 2 comprises of a project and an assignment.
• Assignment Questions to be done in the Artificial Intelligence notes register by all students.
• Project needs to be submitted in project file.
• **Date of Submission**: 3rd July,2023

**Section 1:**
**Roll no. 1-10**
1. Create a ppt / movie on 'Applications areas of AI'.
   AI is a dynamic tool used across industries for better decision making, increasing efficiency and eliminating repetitive work. Students are required to collect information about various application areas of Artificial Intelligence like healthcare.

**Roll no. 11-20**
2. Create a colorful chart on ' Robotic Process Automation'.
   Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans' actions. Students are required to collect information about:
   • What is Robotic Process Automation?
   • How does it work?
   • What are the major tools used in RPA?

**Roll no. 21-30**
3. Create a colorful chart on ' AI-based Cyber Security'.
   AI - based Cyber Security tools have helped professionals in Information Security and other sectors of Cyber Security.
   Students are required to collect information about:
   • Why does modern cyber security require AI?
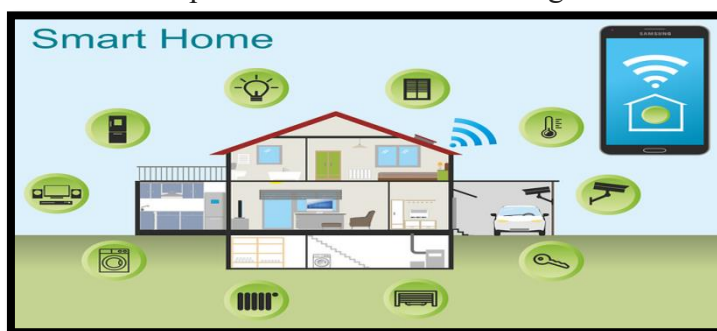   • How is AI transforming cyber security?

**Roll no. 31-40**
4. Create a Model /Crossword puzzle/ Jigsaw puzzle / Dice game on 'AI Inventions'.

**Section 2:**

Project:

Make a creative project on 'Smart Home-My Dream Home'.

A home is a dream of every human. Imagine and prepare a rough layout of your dream smart home. This home contains automated roofs, walls, surfaces, windows, doors, etc. You can add whatever facility you need like a swimming pool, gym, drawing room, bedroom, kitchen, study room, hobby room, indoor-outdoor garden, etc. Smart homes use smart devices (from lightbulbs to alarms and more) that connect to a network over Wi-Fi. Explain the smart devices that you would like to incorporate in your dream home. A picture on 'Smart Home' is given below for reference:



**Assignment**

Q1. Multiple Choice Questions:

1. Who is the father of Artificial Intelligence?
   a) Doug Cutting
   b) John McCarthy
   c) William S.
   d) Rasmus Lerdorf

2. Artificial Intelligence is a way of _____.
   a) making a computer
   b) a computer-controlled robot
   c) software think intelligently
   d) All of the above

3. What are the main goals of AI?
   a) To Create Expert Systems
   b) To Implement Human Intelligence in Machines
   c) Both A and B
   d) None of the Above

4. A major thrust of AI is in the development of computer functions associated with human intelligence.
   a) TRUE
   b) FALSE
   c) AI is not associated with human intelligence
   d) None of the Above

5. Which of the following areas can contribute to build an intelligent system?
   a) Philosophy
   b) Biology
   c) Sociology
   d) All of the above

6. Which of the following areas cannot contribute to build an intelligent system?
   a) Neuron science
   b) Math
   c) Computer Science
   d) Geology

7. A computer program with AI cannot answer the generic questions it is meant to solve.
   a) TRUE
   b) FALSE
   c) AI is not used to answer question
   d) None of the Above

8. How many types of AI is there?
   a) 2
   b) 3
   c) 4
   d) 5

9. Which of the following is not the type of AI?
   a) Reactive machines
   b) Unlimited memory
   c) Theory of mind
   d) Self-awareness

10. AI Technique is a manner to organize and use the knowledge efficiently in such a way that
    _____.
    a) It should be perceivable by the people who provide it.
    b) It should be easily modifiable to correct errors.
    c) Both A and B
    d) None of the Above

11. Which of the following is an application of AI?
    a) Gaming
    b) Expert Systems
    c) Vision Systems
    d) All of the above

12. In which year John McCarthy coined the term Artificial Intelligence?
    a) 1950
    b) 1953
    c) 1956
    d) 1959

13. In which university did the first demonstration of AI program run?
    a) Carnegie Mellon University.
    b) Oxford University
    c) Cambridge University
    d) Stanford University

14. Which of the following is not an application of AI?
    a) Intelligent Robots
    b) Handwriting Recognition
    c) Speech Recognition
    d) Content mining

15. What is Artificial intelligence?
    a) Putting your intelligence into Computer
    b) Programming with your own intelligence
    c) Making a Machine intelligent
    d) Playing a Game

## ART

**GENERAL INSTRUCTIONS**
- Roll number-wise topics have been assigned for students.
- Folk art painting to be completed by all students in their respective sketch files.
- **Date of Submission:** 10 July, 2023

**ART SKILL - 6** (ART BOOK)
PAGE NO - 28 : Fruit composition (to be done in sketch file).
PAGE NO - 42 : Landscape (transparent color) to be done in sketch file.

**CRAFT WORK**
In Andaman, handicrafts is a source of income for the habitants of Andaman. Their handicrafts is famous all around the world. prepare a **coral jewelry / jute bag painting** using required materials.