CLASS VII

SUMMER VACATION TASK

CLASS: VII (SCIENCE)

ANSWER THE FOLLOWING QUESTIONS (TO BE DONE ON CLASSWORK COPY)

1. Write the functions of different types of teeth in human beings.

2. 'A' got her gall bladder removed surgically as she was diagnosed with stones in her gall bladder. After the surgery, she faced problems in digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why?

3. Boojho took some grains of boiled rice in test tube 'A' and Paheli took boiled and chewed rice in test tube 'S'. Both of them poured 1-2 drops of iodine solution into the test tube and observed the color change. What color change would they have observed? Give reasons for your Answer.

4. Boojho and Paheli were eating their food hurriedly so that they could go out and play during the recess. Suddenly, Boojho started coughing violently. Think of the reasons, why he was coughing and discuss with your friends?

5. Draw the labeled diagram of tongue showing different region for taste buds.

6. Little Rishi (student of class VI) was watching his favourite cartoon serial on television. Suddenly he got hiccups. His elder brother Shubham who was sitting nearby him gave him a glass of water and suggested not to eat too fast in a hurry. Little Rishi got confused as he had heard that 'hicki' comes when someone remembers. He asked his father. His father smiled and explained him that it is only a myth. He also explained him the proper scientific reason behind it.

(a) What is hiccup?

(b) Why do we get hiccup?

(c) What are the values shown by Rishi? [Value Based Question]

7. Define oral rehydration solution and when it is given to the patient? How can you prepare ORS at home?

ACTIVITY (TO BE DONE ON ACTIVITY COPY)

Explain human digestive system with a labeled diagram.

COMPUTER SUMMER VACATION TASK 2021-22

MAKE THE WEBPAGE USING DIFFERENT TEXT FORMATTING TAGS,HEADING TAGS,PARAGRAPH TAGS,HYPER LINK TAGS,IMAGE TAGS

OR

BY MAKING MOBILE APP USING PLEZMO APP DEVELOPMENT (https://appcourse.plezmo.com)

 1. EXTERNAL HARDWARE AND ITS TYPES WITH IMAGES OF EACH TYPE EXPLANATION OF 2-3 LINES (ANY 5 HARDWARE)

2. INTERNAL HARDWARE AND ITS TYPES WITH IMAGES OF EACH TYPE EXPLANATION OF 2-3 LINES (ANY 5 HARDWARE)

ग्रीष्मावकाशकार्य (कक्षा vii)

1. प्रत्येक दिन एक पृष्ठ हस्तलेख (सुलेख) लिखें |

2. विलोम शब्द लिखें – पंडित, पठित, प्रत्यक्ष, दुरूपयोग, उदय, अपमान, अमृत, अपना,

3.पर्यायवाची शब्द लिखें –अग्नि, ईश्वर, पानी, बादल, जंगल,

4. वर्तनी शुद्ध करें – अकाश, अवाज, इश्वर, परीवार, जेसा

5. पत्र लिखें - छात्रवृत्ति के लिए प्रधानाचार्य को प्रार्थना पत्र लिखिए।

गंदगी की सूचना देते हुए नगर निगम अधिकारी को प्रत्र।

छोटे भाई को परीक्षा में सफलता पाने पर बधाई पत्र लिखिए।

6. अनुच्छेद लिखें - समय का सदुपयोग, प्रदूषण, वसंत ऋतु |

हिंदी (LR)

1. प्रत्येक दिन एक पृष्ठ हस्तलेख (सुलेख) लिखें |

2. वर्णमाला लिखें

3. प्रत्येक वर्णमाला के वर्णों से दो-दो शब्दों का निर्माण करें |

Class VII
Lower bengali
 Exercise of Chapter 1

CLASS VII

SUMMER VACATION WORK

SOCIAL SCIENCE

Sub: Geography

Imagine an ideal environment where you would love to live. Draw the picture of your ideal environment and describe the each and every detail you like to portray in your ideal environment. Do it in chart paper.

Homework for Class VII(A+B) MATHEMATICS

1. *SUBJECT ENRICHMENT ACTIVITY*: To solve the Competency Based questions worksheet newly introduced by CBSE is given below:

VII Maths Competency Based Questions.pdf

2. To solve all the Try these questions of the CH-1-Integers of NCERT book.

CLASS VII ENGLISH SUMMER VACATION TASK 2021

I. Writing paragraph/ short essay : in 150-200 words

EXERCISE 150 - WREN & MARTIN QUESTION NO 1-20 IN GRAMMAR NOTE BOOK

II. **JOT DOWN 05 DIFFICULT WORDS FROM DAILY NEWSPAPER AND WRITE ITS MEANING IN GRAMMAR NOTE BOOK**

III . **WRITING BOOK REVIEW**

Given below is a list of books. Choose any two of them (Ideally, you must choose one from each genre). Read the books carefully and write the book review in PROJECT PAGE/ A4 PAGE in around 300-400 words.

Books Fiction

1. The Hunger Games- Suzanne Collins

2. Percy Jackson series or Kane Chronicles (The Red Pyramid)- Rick Riordian

3. The Harry Potter series – JK Rowling

4. The Room on the Roof – Ruskin Bond

5. Doctor Thorne-Anthony Trollope

6. Indian Summer- Alex Von

7. Anna Karenina- Leo Tolstoy Autobiography

Autobiography

8. The Test of My Life – Yuvraj Singh 9. Open – Andrew Agassi

10. Captain Cool: M S Dhoni Thrillers

11. Hounds of Baskervilles- Sir Arthur Conan Doyle

12. The Spy Who Came in from the Cold - John le Carré (Penguin Modern Classics)

13. Billionaire Boy - David Walliams

Thrillers

14. Any one of the short stories by Agatha Christie Science Fiction

15. I, Robot – Issac Asimov

Science Fiction

16. Journey to the centre of the earth- Jules Verne The Classics

17. Pride and Prejudice by Jane Austen (Wordsworth Classics)

18. Oliver Twist by Charles Dickens (Penguin Classics)

19. Wuthering Heights by Emily Brontë (Wordsworth Classics)

20. Tom Sawyer – Mark Twain Comedies

The Classics

21. The Hitchhiker's Guide to the Galaxy by Douglas Adams (Gollancz)

22. The Secret Diary of Adrian Mole Aged 13 ¾ by Sue Townsend (Penguin)

23. Thank You, Jeeves by P G Wodehouse (Arrow) Short stories

24. The Collected Stories of Katherine Mansfield (Wordsworth Editions)

25. Short stories-Guy de Maupassant 26. Collection of

   Indian Writing in English

22 short stories – Arvind Gupta (PDF available on internet)

27. Short stories of Rabindranath Tagore Indian Writers

28. The Shiva Trilogy- Amish Tripathi

29. Five Point Someone- Chetan Bhagat

 30. Interpreter of Maladies- JhumpaLahiri

HOLIDAY HOMEWORK (CLASS VII- HISTORY)

Research and trace the history of any of the following powerful socio-political groups of the medieval period:

1. Sikhs from Punjab

2. Jats from Haryana and adjoining areas

3. Ahoms from Assam

4. Rajputs from Rajasthan

5. Marathas from Maharashtra

HOLIDAY HOMEWORK (CLASS VII- SPL)

Make a newspaper montage of news events and clippings pertaining to any one of the following themes:

1. Violation of social/political/economic equality

OR

2. Status of healthcare in India in light of the COVID pandemic

NOTE: To be done either digitally/soft copy format or in hard copy format

Bengali Hr SG

দিনের শেষে একপাতা করে ডাইরী লিখন
দিন , তারিখ , সময় উল্লেখ করবে।

৫টি গল্প ও ৫টি কবিতার লিখন ও সেগুলি সম্পর্কে আলোচনা। (পাঠ্যের বাইরে)

৫টি চিঠি।

CLASS VIII

Summer Vacation Assignment-Science

1. With the help of two activities, prove that metals are Malleable & Ductile.

2. How can you prove with activities that metallic & non-metallic oxides are respectively Basic & Acidic ?

3. Compare the physical & chemical properties of metals & non-metals.

4. **SEA**- Carry out the **Activity 1.2** given in the NCERT Book Page.6 (please refer Google Classrooms for more details about the Modalities.)

COMPUTER VACATION TASK 2021-22

MAKE THE WEBPAGE USING DIFFERENT TEXT FORMATTING TAGS,HEADING TAGS,PARAGRAPH TAGS,HYPER LINK TAGS,IMAGE TAGS

OR

BY MAKING   MOBILE APP USING PLEZMO APP DEVELOPMENT (https://appcourse.plezmo.com)

1. SOFTWARE AND ITS TYPES WITH EXAMPLES AND IMAGES BY EXPLANATION OF EACH TYPE OF SOFTWARE WITH 5-6 LINES

2. OPERATING SYSTEM AND ITS TYPES WITH EXAMPLES AND IMAGES BY EXPLANATION OF EACH TYPE OF SOFTWARE WITH 5-6 LINES

ग्रीष्मावकाशकार्य (कक्षा viii)

1. प्रत्येक दिन एक पृष्ठ हस्तलेख (सुलेख) लिखें |

2. तत्सम, तद्भव, देशज शब्द के पाँच-पाँच उदाहरण लिखें |

3. अनुच्छेद लिखें - महानगरों में बढ़ता प्रदूषण, बढ़ता जल संकट,विज्ञान वरदान या अभिशाप

4. पत्र लिखें – (क)अपने मित्र को वार्षिक परीक्षा में प्रथम स्थान पर उत्तीर्ण होने के उपलक्ष्य में बधाई पत्र   लिखिए |

(ख) मित्र को ग्रीष्मावकाश अपने साथ बिताने के लिए आमंत्रण पत्र

(ग) समय का महत्व बताते हुए अपने मित्र को पत्र

5. पर्यायवाची शब्द लिखें –इंद्र, बादल, पृथ्वी, हिमालय, मेघ

6. वर्तनी शुद्ध करें – छमा, निरसता, सेनिक, गोरव, अशिवार्द

हिंदी (LR)

1. प्रत्येक दिन एक पृष्ठ हस्तलेख (सुलेख) लिखें |

2. वर्णमाला लिखें

3. प्रत्येक वर्णमाला के वर्णों से दो-दो शब्द का निर्माण करें |

4. मुहावरे तथा लोकोक्ति के दस-दस उदाहरण लिखें |

CLASS VIII

SUMMER VACTION WORK

SOCIAL SCIENCE

Sub: Political Science

Illustrate each of the 11 Fundamental Duties guaranteed by the Indian Constitution to the citizens of India with drawings, pictures, poems or songs (as per your choice) through the approach of project work. Use separate folder for making the project work.

Sub: Geography

Pretend that you live in the prehistoric times on a high windy plateau. What are the uses you and your friends could put the fast winds to? Can you call the wind a resource?

Now imagine that you are living in the same place in the year 2138. Can you put the winds to any use? How? Can you explain why the wind is an important resource now?

Make an account of the above given two statements with the help of suitable diagram, pictures, drawing by explaining the importance of resources to human society. Use separate folder for making the given work.

Holiday Homework Class VIII (Bengali Lr)

" বিদ্যা মহাধন " থেকে " আমরা বাঙালি " পর্যন্ত (Page 5 to page 37) প্রতিটি পাঠ্য একটি খাতায় লিখবে । অনুশীলনীর উত্তর গুলি পেন্সিলে লিখতে পার।

DATE 24 .04 .2021

 CLASS - 8   MATHS

SUBJECT ENRICHMENT NO. 1

EXPLAIN:

(A) PROPERTIES OF WHOLE NOS.,INTEGERS AND RATIONAL NOS.WITH EXAMPLES

(B) ADDITIVE INVERSE , ADDITIVE IDENTITY,MULTIPLICATIVE INVERSE, MULTIPLICATIVE IDENTITY FOR RATIONAL NOS.

(C) DISTRIBUTIVE PROPERTY OF MULTIPLICATION OVER ADDITION FOR RATIONAL NUMBERS

HOLIDAY HOMEWORK (CLASS VIII- History)

Biographical sketch of any one of the following historical figures:

1. Vasco De Gama

2. Robert Clive

3. Warren Hastings

4. James Mill

NOTE: To be done either digitally/soft copy or in hard copy.

Class VIII
English
1. Exercise of Ch 1,2,poems
ch 1 from Supplementary Book
2. Diary Entry
3. Book Review ; Book(s) of your choice

Bengali Hr (SG)

দিনের শেষে একপাতা করে ডাইরী লিখন
দিন , তারিখ , সময় উল্লেখ করবে।

৫টি গল্প ও ৫টি কবিতার লিখন ও সেগুলি সম্পর্কে আলোচনা। (পাঠ্যের বাইরে)

৫টি চিঠি।

CLASS IX

Homework for Class IX, Science(Chemistry)

1. With help of an activity, prove that a matter is composed of many small particles.

2. How can you prove that a matter contains particles with space between them?

3. In a few cases like Sponge, a solid can be compressed. How would you explain it ?

Homework for Class IX Science (Biology)

PORTFOLIO (SEMINAR)

Each student is supposed to prepare a power point presentation on any one of the 08 topics from the Chapter **'Natural Resources'** which will be allotted by your subject teacher(***please refer Google Classrooms for more details***) for the seminar topic allotment and modalities.

CLASS IX – SCIENCE (PHYSICS)

SUMMER VACAION TASK

1. An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.

2. A farmer moves along the boundary of a square field of side 10 m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds from his initial position?

3. Which of the following is true for displacement?

(a) It cannot be zero.

(b) Its magnitude is greater than the distance travelled by the object.

4. A person travels a distance of 4.0 m towards the east, then turns left and travels 3.0 m towards the north.

a. What is the total distance traveled by the person?

b. What is his displacement?

5. Under what conditions, distance, and magnitude of the displacement are equal?

ACTIVITY (TO BE DONE ON PRACTICAL COPY)

1. The data regarding the motion of two different objects A and B are given in Table below .

 Examine them carefully and state whether the motion of the objects is uniform or non-uniform(Show the graphical variation for both the objects)

TIME	DISTANCE TRAVELLED BY OBJECT A IN METRE	DISTANCE TRAVELLED BY OBJECT B IN METRE
09:30 AM	10	12
09:45 AM	20	19
10:00 AM	30	23
10:15 AM	40	35
10:30 AM	50	37
10:45 AM	60	41
11:00 AM	70	44

CLASS IX

SUMMER VACATION WORK

SOCIAL SCIENCE

Sub: Economics

Study the crops grown in your village or nearby village and fill the following table and compare with Palampur Village:

NAME OF THE CROP	MONTH	MONTH HARVESTED	SOURCE OF IRRIGATION	INCOME EARNED

Sub: Geography

Do the given work in four separate maps and compile in a single folder. Use various conventional signs, symbols and colours to highlight the points and also to decorate the map work.

On an outline map of India show and label the following important points.

(i) Mountain and hill ranges – the Karakoram, the Zaskar, the Patkai Bum, the Jaintia, the Vindhya range, the Aravali, and the Cardamom hills.

(ii) Peaks – K2, Kanchenjunga, Nanga Parbat and the AnaiMudi.

(iii) Plateaus, Chotanagpur and Malwa

(iv) The Indian Desert, Western .Ghats, Lakshadweep Islands

SUMMER VACATION :Holiday Homework 2021-22

Class IX

Civics

1.   Make a flow chart on the Lok Sabha and Rajya Sabha of India.(In this mention powers and functions of both the houses of Parliament in India. (Do it in chart paper).

2.   Define Democracy and write its features and

On the world map or on the chart paper mention the countries which have democracy and monarchy as a form of government.

HOLIDAY HOMEWORK (CLASS IX-HISTORY)

1. Prepare short biographies of any one of the following figures of the French Revolution:

•   Louis XVI

•   Marie Antoinette

•   Jean Jacques Rousseau

•   John Locke

•   Abbe Sieyes

DATE   24.04 .2021

CLASS -9   MATHS.

SUBJECT ENRICHMENT NO.1

(A) REPRESENTATION OF RATIONAL/IRRATIONAL NOS. BY   CONSTRUCTING THE" SQUARE ROOT SPIRAL" UP TO ROOT 10.

(B) TO FIND ROOT X ON NUMBER LINE GEOMETRICALLY FOR ANY POSITIVE REAL NUMBER X.

(C)   TO WRITE REMAINDER THEOREM, FACTOR THEOREM WITH EXAMPLES AND RELATION BETWEEN THEM

Class IX
English
1. Exercise of Ch 1,2,poems
ch 1 from Supplementary Book
2. Diary Entry
3. Book Review : Book(s) of your choice

Bengali Hr （SG）

দিনের   শেষে   একপাতা   করে   ডাইরী   লিখন
দিন   ,   তারিখ   ,   সময়   উল্লেখ   করবে।

৫টি   গল্প   ৩   ৫টি   কবিতার   লিখন   ৩   সেগুলি   সম্পর্কে   আলোচনা।   (পাঠ্যের   বাইরে   )

৫টি চিঠি।

Homework for Class X Science (Chemistry)

1. Why a magnesium ribbon should be cleaned before its burning?

2. With help of an activity, prove that in a chemical reaction, a gas is formed.

3. What do you mean by Precipitation reaction? Give two examples by activities in support of your answer.

Homework for Class X Science (Physics)

1. Lens and mirrors are the most integral part of human life. It is used to do basic operations like reading a newspaper to complex operations like laser weapon defense system. Make a project file showing five innovations in the field of light which can bring revolution in the field of optics.

2. World is becoming more vulnerable place to live because of continuous degradation of environment. The usage of petrol and diesel vehicles has created more problems over the period of time. Looking into the current scenario suggest minimum three alternative ways of transportation which can reduce the impact on the environment. (key points are carbon footprint,re cycle cost-efficient and electricity)

3. "Nuclear fusion is considered as the only clean source of energy" . Write a debate -for the motion and against the motion on this topic

4. Make at least two projects based on Arduino program using tinker CAD simulation. (Note those cadets who are highly motivated can take up the project. It is not a mandatory project but it is highly recommended to all the cadets)

Homework for Class X Science (Biology)

PORTFOLIO (SEMINAR)

Each student is supposed to prepare a power point presentation on any one of the 09 topics from the Chapter **'Management of Natural Resources'** which will be

allotted by your subject teacher(***please refer Google Classrooms for more details***) for the seminar topic allotment and modalities.

Homework for Class X(A+B+C) MATHEMATICS

1. ***SUBJECT ENRICHMENT ACTIVITY***: To find the HCF of two given numbers using Euclid's division algorithm by using diagram/figures.

2. To solve the questions of the CH-15-Probability (Ex-15.1).

CLASS X ENGLISH SUMMER VACATION 2021 HOMEWORK

I.WRITE BIOGRAPHY OF THE FOLLOWING AUTHORS/POETS IN AROUND 200-300 WORDS IN PROJECT PAGE/ A4 PAGE.

1.ROBERT FROST

2.NELSON MANDELA

3. RUSKIN BOND

4.HG WELLS

II.   GRAMMAR : DETERMINERS

FRAME AT LEAST TWO SENTENCES FROM EACH DETERMINERS UPLOADED IN THE GOOGLE CLASSROOM.

ANALYSIS

III. HAVE YOU THERE EVER BEEN IN GREAT DIFFICULTY , AND FELT THAT ONLY A MIRACLE COULD HELP YOU ? HOW WAS YOUR PROBLEM SOLVED? WRITE A LETTER TO YOUR TEACHER IN AROUND 200-220 WORDS.   (REF – A LETTER TO GOD CHAPTER- I)

Bengali Hr (SG)

দিনের শেষে একপাতা করে ডাইরী লিখন

দিন , তারিখ , সময় উল্লেখ করবে।

৫টি গল্প ও ৫টি কবিতার লিখন ও সেগুলি সম্পর্কে আলোচনা। (পাঠ্যের বাইরে)

৫টি চিঠি।

SOCIAL SCIENCE:HOLIDAY HOMEWORK

IN THE SCRAP BOOK PASTE THE MAP AND MARK THE FOLLOWING : (as per cbse curriculum).

LIST OF MAP ITEMS
CLASS X (2021-22)

A. **HISTORY** (Outline Political Map of India)

Chapter - 3 Nationalism in India – (1918 – 1930) for Locating and Labelling / Identification

1. **Indian National Congress Sessions:**
   a. Calcutta (Sep. 1920)
   b. Nagpur (Dec. 1920)
   c. Madras (1927)
2. **Important Centres of Indian National Movement**
   a. Champaran (Bihar) - Movement of Indigo Planters
   b. Kheda (Gujarat) - Peasant Satyagrah

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

B. GEOGRAPHY (Outline Political Map of India)

Chapter 1: Resources and Development (Identification only)

a. Major soil Types

Chapter 3: Water Resources (Locating and Labelling)

Dams:

a. Salal
b. Bhakra Nangal
c. Tehri
d. Rana Pratap Sagar
e. Sardar Sarovar
f. Hirakud
g. Nagarjuna Sagar
h. Tungabhadra

Note: The theoretical aspect of chapter 'Water Resources' to be assessed in the Periodic Tests only and will not be evaluated in Board Examination. However, the map items of this chapter as listed above will be evaluated in Board Examination.

Chapter 4: Agriculture (Identification only)

a. Major areas of Rice and Wheat
b. Largest / Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Chapter 5: Minerals and Energy Resources

Minerals (Identification only)

a. Iron Ore mines

- Mayurbhanj
- Durg
- Bailadila
- Bellary
- Kudremukh

b. Coal Mines

- Raniganj
- Bokaro
- Talcher
- Neyveli

c. Oil Fields

- Digboi
- Naharkatia
- Mumbai High
- Bassien
- Kalol
- Ankaleshwar

Power Plants

(Locating and Labelling only)

a. Thermal

- Namrup
- Singrauli
- Ramagundam

b. Nuclear

- Narora
- Kakrapara
- Tarapur
- Kalpakkam

Chapter 6: Manufacturing Industries (Locating and Labelling Only)

Cotton Textile Industries:

a. Mumbai
b. Indore
c. Surat
d. Kanpur
e. Coimbatore

Iron and Steel Plants:

a. Durgapur
b. Bokaro
c. Jamshedpur
d. Bhilai
e. Vijaynagar
f. Salem

Software Technology Parks:

a. Noida
b. Gandhinagar
c. Mumbai
d. Pune
e. Hyderabad
f. Bengaluru
g. Chennai
h. Thiruvananthapuram

Chapter 7: Lifelines of National Economy

Major Ports: (Locating and Labelling)

a. Kandla
b. Mumbai
c. Marmagao
d. New Mangalore
e. Kochi
f. Tuticorin
g. Chennai
h. Vishakhapatnam
i. Paradip
j. Haldia

International Airports:

a. Amritsar (Raja Sansi)
b. Delhi (Indira Gandhi International)
c. Mumbai (Chhatrapati Shivaji)
d. Chennai (Meenam Bakkam)
e. Kolkata (Netaji Subhash Chandra Bose)
f. Hyderabad (Rajiv Gandhi)

Note: Items of Locating and Labelling may also be given for Identification.

SUB: MATHEMATICS (CLASS –XI)

1. **CH.1** SET THEORY – NCERT EXERCISE QUESTIONS

2. PREVIOUS 3 YEARS NDA QUESTIONS PAPER ON **CH.1 SET THEORY** ONLY.

ENGLISH

Read the instructions carefully:-

1. The assignment should be done in the Writing Skills Notebook.

 2. The work should be neat and systematic.

3. Label the assignment properly; use headings and sub-headings wherever required.

4. Paste the samples of writing skills neatly; no loose ends of the paper should be visible.

ASSIGNMENT

1. Read a book/novel of your choice and write its review including the plot, theme, characters and other important elements in about 200-250 words.

2. Read the lesson-'Discovering Tut…..the saga continues' from Hornbill and make a collage on King Tut by finding details about him and his reign. It should be made in the notebook only.

3. Read the newspaper daily and find out samples of the following:-

a. 2 Reports

 b. 2 Posters

c. 2 Advertisements

[eg-situation vacant, lost and found, missing and sale/purchase from the classified columns of a newspaper.] Paste them neatly in the writing-skills notebook.

4. Writing Skillsa. You are Vineet/Vaanya of 97, Safdarjung Enclave, New Delhi. You have observed that subways in Delhi are seldom used by the pedestrians to cross heavy-traffic, resulting in accidents and traffic jams. Write a letter to the editor (in about 120-150 words) of the Hindustan Times, highlighting the need for creating awareness among the people about it.

 b. You are Gagan/Garima of 27, MG Road, Bangalore. You bought a 1.5-ton branded air conditioner from West Side, Trinity Avenue, MG Road, Bangalore about a month ago. Now you find that the AC makes a lot of noise and the cooling is also not effective. Write a letter of complaint to the manager asking him to get the AC replaced at the earliest. (120-150 words)

c. Express your views in the form of an article on the topic 'What will a postcorona virus world look like?' [150-200 words] d. Water is precious and each one of us must stop wastage. Design a poster in not more than 50 words urging people to employ various methods of rain water harvesting in their colonies.

5. Frame a sample question paper of English Grammar for UPSC NDA GAT ENGLISH

Total Number Of Questions : 100

Question Type : Mcq

SUB: CHEMISTRY

1. **CH.1 EX. QUE**. 1.1 TO 1.6 , 1.11 ,1.12,1.18,1.19,1.20,1.24,1.25,1.26,1.29,1.35,1.36

Vacation task for Class 11 Physics: ADG

1.   Electronics Project work(Self)

2.   Solve NCERT exercise of the chapter Units and Dimensions.

Class – XI – Computer Science-2021

Home Task/Assignment for Summer Vacation

1.   What is difference between RAM and ROM ?

2.   What is compiler ? Mention the difference between compiler and interpreter.

3.   What are the functions of operating system ?

4.   Mention three operating system out of which one will be multi-user.

5.   What is language processor? What do you mean by compiling a program?

6. What is source and machine language program ? Explain with example

7. What is open source software? Give example

8. What is the difference between shareware and freeware?

9. What is proprietary software?

10. What is Boolean Algebra?

11. What are different type of system software ?Explain with examples.

12. What is application software?Give examples

13. Convert the following (i) (101101)2=?10 and ?8

    (ii) (135)10 =?2 and ?8

    (iii) (567)8=?2

    (iv) (5AB)16=?10

14. What do you mean by booting of a computer?

15. What is fifth generation computer?

16. What are the characteristics of 4th generation of computer?

17.   Name two computer developed in India.

18.   What is cloud computing?Explain with example.

Class xi Biology Home task

1.What is taxonomy ? What are the main areas of taxonomical

study ? Write elaborately.

2.What is binomial system of naming ? Why is it universal ?Explain

by giving three reasons.

3.What is systematics ? How is it similar with taxonomy ?

4.What are taxa ? Write about the taxonomic hierarchy that exists

in the modern system of classification.

SUB: MATHEMATICS

1. INVERSE TRIGONOMETRY FUNCTION, NCERT

2. MATRIX & DETERMINANT, NCERT

3. LAST 3 YEARS NDA QUESTIONS PAPER ON CH.1 RELATION & FUNCTION

CLASS -12 SUMMER VACATION HOME-TASK – 2021 ENGLISH (CORE)

  Do the assignments on Ruled Sheets and submit the work in a separate file on the reopening day.

ASSIGNMENT – 1 : WRITING SKILLS

1. Read the newspaper daily and find out samples of the following:-

a. 2 Reports

 b. 2 Posters

c. 2 Advertisements

   2.ASSIGNMENT – 2 : WRITING SKILLS

   Q1. Draft a notice about a school tour to Goa during the summer vacation. You are Kiran/ Karan, Tour Incharge.
   Q2. Draft a poster for the forthcoming Cultural Fest being organised in your school in July.
   Q3. Draft a poster to spread awareness regarding the precautions to be taken to prevent heatstroke.
    Q4. Write a letter to the SHO of the police station in your locality about the theft of your vehicle.

   1. ASSIGNMENT – : LITERATURE Q1. Write the character sketch of the following in 120-150 words :
      i) Franz ii) M. Hamel

 3.Frame a sample question paper of English Grammar for UPSC NDA GAT ENGLISH

   Total Number Of Questions : 100

   Question Type : Mcq

SUBJECT : CHEMISTRY

1. CHAPTER 1 SOLID STATE: Intext questions from 1.1 to 1.24

2. CHAPTER 1 SOLID STATE: Exercise questions from 1.1 to 1.4 , 1.7 to 1.25

3. CHAPTER 2 SOLUTIONS: In text questions from 2.1 to 2.7

4. CHAPTER 2 SOLUTIONS: Ex. questions 2.3, 2.5,2.7, 2.8 ,2.12,2.13

Vacation task for Class 12 Physics-ADG

1. Electronics Project work(Self)

2. Solve NCERT exercise of the chapter 1 Electric Charges and Field.

Home task Class xii Biology

1. Write about the reproductive structures of Chlamydomonous,

Penicillium, ginger,and Agave sp.

2. What is dioecious plant, write with examples.

3. What are the chromosome number in the meiocytes of human and

pea plant ?What will be chromosome number of their respective

gametic cells ?

4. What are the main pre fertilisation events of sexually reproducing

organisms? Write about any one of them.

5. A typical angiospermic anther is bilobed, dithecus. Give a suitable

illustration with proper diagram.

6. Majority of the angiospermic pollens are shed at two celled stage.

What are these cells? Give a description of it. Draw diagram.

1	Which of the following is a valid arithmetic operators in Python (i) // (ii) ? (iii) < (iv) and
2	Which of the following operator(s) are valid logical operators (i) Like (ii) and (iii) or (iv) is
3	What will be the output of following expressions: (i) 7/2 (ii) 7//2
4	If given A=20,B=15,C=30,What will be the output of following expression: print((A>B) and (B>C) or (C>A))
5	**What will be the output of following expressions:** (i) 15//2 (ii) 15%2
6	**What will be the output of following expression:** 2**2**4
7	Write the type of tokens from the following (i) If (ii) roll_no
8	**Identify the valid identifier(s) from the given list:** Marks1, $Roll, Avg Marks, IF, _sales2008, while, name
9	**Identify the invalid identifiers from the given list:** Average, RegNo. , break, Sales_Q1
10	**Write the datatype of following literals:** (i) 100 (ii) False
11	**Write the datatype of following literals:** (i) 50.7 (ii) "India"
12	**What will be the output of following code:** print(print(10))

13	Name the Python Library module which need to be imported to invoke the following function:
	    (i) floor() (ii) bar() (iii) randint() (iv) sin()
	    (v) linspace() (vi) connect() (vii) dump() (viii) insort()

14	Rewrite the following code in python after removing all syntax error(s).Underline each correction done in the code.
	    30=To
	    for K in range(0,To) IF
	      k%4==0:
	          print (K*4)
	      Else:
	          print (K+3)

15	Rewrite the following code in python after removing all syntax error(s).Underline each correction done in the code:
	    a=5
	    work=true
	    b=hello
	    c=a+b
	    FOR i in range(10)
	        if i%7=0:
	            continue

16	`for Name in [Ramesh,Suraj,Priya] IF`
	`        Name[0]='S':`
	`            print(Name)`

17	Rewritethefollowingcodeinpythonafterremovingallsyntaxerror(s).Underlineeach correction done in the code:
	
	`a=b=10`
	`    c=a+b While`
	`c=<20:`
	`    print(c,END="*") c+=10`
| 18 | Find and write the output of the following python code:<br><br>```python
def fun(s):
        k=len(s)
        m=" "
        for i in range(0,k):
            if(s[i].isupper()):
                    m=m+s[i].lower()
            elif s[i].isalpha():
                    m=m+s[i].upper()
            else:
                m=m+'bb'
        print(m)

fun('school2@com')
``` |
| 19 | Find and write the output of the following python code:<br><br>```python
msg = "Technology 2025"
print(msg[3:])
print(msg[:4],msg[4:])
print(msg[::-1])
print(msg[0:4],msg[11:10])
``` |
| 20 | Find and write the output of the following python code:<br><br>```python
def display(s): l =
    len(s) m=""
    for i in range(0,l):
            if s[i].isupper():
                    m=m+s[i].lower()
            elif s[i].isalpha():
                    m=m+s[i].upper()
                elif s[i].isdigit():
                        m=m+"$"
            else:
                    m=m+"*"
    print(m)
display("EXAM20@cbse.com")
``` |

| 21 | Find and write the output of the following python code:<br><br>```python
Msg="CompuTer" Msg1="
for i in range(0, len(Msg)): if
    Msg[i].isupper():
        Msg1=Msg1+Msg[i].lower() elif
i%2==0:
        Msg1=Msg1+'*' else:
        Msg1=Msg1+Msg[i].upper()
print(Msg1)
``` |
|----|--|
| 22 | Find and write the output of the following python code:<br><br>```python
P=6 Q=5
while P<=25:
        Q+=10
        P+=5
print(P)
print(Q)
``` |
| 23 | Find and write the output of the following python code:<br><br>```python
for i in range(1,6):
        forjinrange(1,6): if
                i==j:
                        break
                print(j, end=")
        print()
``` |
| 24 | How many times will the following for loop execute and what"s the output?<br><br>```python
for i in range(1,3,1):
        for j in range(i+1):
                print(,,*")
``` |
| 25 | What will be the output of the following code: def<br>JumbleUp(mystr):<br><br>```python
        L =len(mystr)
        str2="
        str3="
        for i in range(0,L,2):
                str2=str2 + mystr[i+1]+mystr[i] for ch in
        str2:
                    if ch>='R' and ch<='U':
                            str3+='$'
                    else:
                            str3+=ch.lower()
        return str3
mystr="HARMONIOUS"
mystr=JumbleUp(mystr)
print(mystr)
``` |

26	Find the write the output of the following code: def
	Change(P ,Q=30):
	      P=P+Q
	      Q=P-Q
	      print(P,"#",Q)
	      return (P)
	R=150
	S=100
	R=Change(R,S)
	print(R,"#",S)
	S=Change(S)

27	Find and write the output of following python code: def
	    Alter(M,N=50):
	       M=M+NN
	       = M -N
	       print(M,"@",N)
	       return M
	    A=200
	    B=100
	    A = Alter(A,B)
	    print(A,"#",B)
	    B = Alter(B)

28	Find and write the output of following python code: def
	    Total(Number=10):
	        Sum=0
	        for C in range(1,Number+1): if
	            C%2==0:
	                continue Sum+=C
	        return Sum
	    print(Total(4))
	    print(Total(7))
	    print(Total())

29	Find and write the output of following python code:
	X = 100
	def Change(P=10, Q=25): global
	    X
	    if P%6==0:
	        X+=100
	    else:
	        X+=50
	    Sum=P+Q+X
	    print(P,'#',Q,'$',Sum) Change()
	Change(18,50)
	Change(30,100)

30	Find and write the output of following python code: def
	Func1(A,B):
	    if A % B == 0:
	        return 10
	    else:
	        return A+Func1(A,B-1)
	        val = Func1(20,15)
	print(val)

Qno. 2

1	What do you understand by the term Iteration?
2	What is the purpose of „break" keyword in Loop?
3	What is the difference between List and Tuple?
4	What are the different ways to give comment in Python?
5	What are the correct ways to generate numbers from 0 to 20 (i) range(20) (ii) range(0,21) (iii) range(21) (iv) range(0,20)
6	Name any 2 data types of Python
7	What are the different loops available in Python?
8	What do you understand by the term Recursion?
9	Give any 1 difference between Loop and Recursion
10	What is Mutable data type? Give any example of Mutable data type.
11	Which is the correct form of declaration of dictionary? (i) Day={1:"monday",2:"tuesday",3:"wednesday"} (ii) Day=(1;"monday",2;"tuesday",3;"wednesday") (iii) Day=[1:"monday",2:"tuesday",3:"wednesday"] (iv) Day={1"monday",2"tuesday",3"wednesday"]
12	Choose the correct declaration from the following code: Info= ({"roll":[1,2,3],"name":["amit","sumit","rohit"]}) (i) List (ii) Dictionary (iii) String (iv) Tuple
13	Which is the valid dictionary declaration? i) d1={1:'January',2='February',3:'March'} ii) d2=(1:'January',2:'February',3:'March'} iii) d3={1:'January',2:'February',3:'March'} iv) d4={1:January,2:February,3:March}
14	Given the following dictionary declaration: Myd={"empno":1,"name":"Vikrant","salary":50000} write python statement to print the message: **Vikrant@50000**

	Find and write the output of the following python code:
	
	``python
	a=10
	def call():
	    global a
	    a=15
	    b=20
	    print(a)
	call()
	``

	Find and write the output of following python code: a=100
	def show():
	        global a
	        a=200
	def invoke():
	        global a
	        a=500
	show()
	invoke()
	print(a)

	Find and write the output of following python code: def drawLine(ch,time=3): print(ch*time) drawLine('@',5) drawLine(chr(65))
28	What do you understand by local and global scope of variables? How can you access a global variable inside the function, if function has a variable with same name.
29	What do you understand the default argument in function? Which function parameter must be given default argument if it is used? Give example of function header to illustrate default argument
30	What are the different types of Passing parameters in Python? Give example of any one.

31	Write to create Pie chart for sequence con=[24.5,19.2,25,30,45] for Zones =[„East",„West",„North",„South",„Central"]
	  - Show % contribution for each zone
	  - The Pie should be circular OR
	Give the output of the following python code: import
	    matplotlib.pyplot as plt
	    x=[1,2,3]
	    y=[5,3,7]
	    x2=[1,2,3]
	    y2=[8,4,9]
	    plt.xlabel('X Axis') plt.ylabel('Y
	    Axis')
	    plt.title('My First Chart\nHave fun!')
	    plt.plot(x,y,label='Overs',color='r')
	    plt.plot(x2,y2,label='Runs',color='g') plt.legend()
	    plt.show()

32	Output? `a`
	`= 1 def`
	`f(): a =`
	`10`
	`print(a)`

33	Which file must be present inside a directory to be considered by Python as a library?

34	Convert the following using while loop
	
	`for k in range (10,20,5):`
	`print(k)`

35	**Give Output** colors=["violet", "indigo", "blue", "green", "yellow", "orange", "red"] del colors[4] colors.remove("blue") colors.pop(3) print(colors)

36	`Consider the following unsorted list: 95 79 19 43 52 3. Write`
	`the passes of bubble sort for sorting the list in ascending order`
	`till the 3rd iteration`

37	`Rewrite the following Python program after removing all the`
	`        syntactical errors (if any), underlining each correction:`
	`def checkval:`
	`x = input("Enter a number")`
	`if x % 2 = 0:`
	`print x, "is even"`
	`else if x<0:`
	`print x, "should be positive"`
	`else;`
	print x, "is odd"

38	`Output?`
	`def myfunc(a):`
	`a = a + 2`
	`a = a * 2`
	`return a`
	print(myfunc(2))

39	`Output?`
	`def example(a):`
	`a = a + '2'`
	`a = a*2`
	`return a`
	example("hello")

1. निम्नलिखित विषयों पर औपचारिक पत्र लिखिए।

(क) छोटे भाई को समय का महत्व बताते हुए पत्र लिखें।

ख. बहन को जन्म की बधाई देते हुए बधाई पत्र लिखें।

ग. कोरोना से बचाव हेतु सुझाव देते हुए मामा जी को पत्र लिखें।

घ. पिता जी को वेक्सीन लेना जरूरी क्यों है बताते हुए पत्र लिखें।

ड. ग्रीष्मावकाश का वर्णन करते हुए सम्पूर्ण दिनचर्या की समीक्षा बताते हुए मामा जी को पत्र लिखिए।

2. निम्न लिखित विषयों पर लघु कथा 100-120 शब्दों में लिखिए।

क - गंगा और मैं।

ख - आत्म निर्भरता।

ग - तीन मछलियाँ।

घ - यदि मैं समाचार पत्र होता।

ड. - चूहा व शेरनी।

1. निम्नलिखित विषयों पर लघु-कथा लगभग 100-120 शब्दों लिखिए ।

(1) अच्छे काम का पुरस्कार

(2) खुशी कैसे पाएं

(3) घमंड़ी का सिर नीचा

(4) अनसुनी बुराई

(5) सबदिन नहीं होत रुक समान ।

2. निम्नलिखित विषयों पर औपचारिक पत्र लिखिए ।

(क) अनियमित डाक वितरण हेतु क्षेत्र के डाक पाल को पत्र लिखें

(ख) खराब सेल फोन के सेट की शिकायत करते हुए कंपनी के स्थानीय अधिकारी को पत्र लिखिए ।

(ग) विद्यालय के गेट पर मांस की दुकान होने की शिकायत करते हुए प्रधानाचार्य को पत्र लिखें ।

(घ) बस चालकों की असावधानी के कारण होने वाली दुर्घटना पर चिंता व्यक्त करते हुए किसी समाचार पत्र के संपादक को पत्र लिखें ।

(ङ) अपने बचत खाते की चेक बुक जाने की सूचना देते हुए, बैंक-प्रबंधक अचित कार्य वाही हेतु पत्र लिख