ROYAL OAK INTERNATIONAL SCHOOL
SR. SEC. CBSE AFFILIATED (SESSION 2024-25)
HOLIDAY HOME WORK
Class – XI

Please note the following:

- Summer vacations will commence from 24th May, 2024(Monday) till 28th June, 2024 (Friday), both days inclusive.
- The school will re-open on 1st July, 2024(Monday)
- Schedule for the submission of HHW is as follows :

English/P.Ed	:	02/07/2024 (Tuesday)
Hindi/Chem./Accounts	:	03/07/2024 (Wednesday)
Maths/Sociology/Bio.	:	04/07/2024 (Thursday)
P.Sci./B.Std	:	05/07/2024 (Friday)
His/Eco./CS	:	08/07/2024 (Monday)
Phy./IP/F&N	:	09/07/2024 (Tuesday)

- ❖ Summer HHW -5marks will be added as an Activity marks in Term - I

Wishing you all a very fruitful and enjoyable vacations.

To be ready for tomorrow's opportunities, do your homework today. Learn, refine your skills and focus on your growth.

D/P

Greetings !

Summer has arrived and brought with it your amazing and fun-filled holidays. Summer break is a well-deserved opportunity to relax and unwind by indulging in various activities. Your Holiday Homework has been specially designed for you to be creative, innovative and imaginative while completing your tasks. It will also enable you to recapitulate what was taught in the classrooms.

We hope you will play, learn, research, analyze, experiment, imagine, think, value, appreciate and above all enjoy during your holidays. Wishing you happy holidays!

Instructions for the students:
1. Do all your homework as per the instructions.
2. Parents are requested to only guide their children while doing the homework.
3. Originality of the work will be appreciated.
4. Use your creativity and imagination wherever required.

NOTE: Please make sure that your ward will revise all the work done in the month of April and May for all the subjects.

Happy Vacations!

Regards

TEAM ROIS

ENGLISH:

1. What reforms are needed to improve the quality of education in Agartala the capital of Tripura and address issues such as dropout rates, teacher shortages, and access to quality education in rural areas? Write an article in 120 to 150 words.

2. "Design a poster in promoting tourism in Agartala the capital of Tripura. Highlight the state's unique attractions, such as its rich cultural heritage, picturesque landscapes, and vibrant festivals. Include captivating visuals and persuasive language to entice potential travelers."

HINDI:

1. निम्नलिखित में से किसी एक कवि का जीवन परिचय तथा उनकी किन्हीं दो काव्य रचनाओं का सारांश ए-4 शीट पर सुंदर हस्तलिपि में लिखकर चित्र सहित एक फाइल तैयार कीजिए ।

तुलसीदास -कवितावली,   ,   कबीर-कबीर की साखियाँ

2. निम्नलिखित में से किसी एक लेखक का जीवन परिचय तथा उनकी कोई दो रचनाओं का (नाटक अथवा कहानी)सारांश ए-4 शीट पर सुंदर हस्तलिपि में लिखकर चित्र सहित एक फाइल तैयार कीजिए ।

नाटककार -जयशंकर प्रसाद , कहानीकार -प्रेमचंद

3. हिंदी साहित्य का इतिहास-इतिहास दर्शन तथा साहित्य, हिंदी साहित्येतिहास की लेखन परंपरा और साहित्येतिहास के पुनर्लेखन की समस्याएं, हिंदी साहित्य का इतिहास काल विभाजन सीमा निर्धारण और काल विभाजन चित्र सहित परियोजना तैयार कीजिए।

3. 'त्रिपुरा' पर चित्र सहित एक रिपोर्ट तैयार कीजिए।

MATH:

General Instructions:

1. Do Holiday HW in separate note book (give heading SUMMER VACATION HOLIDAY WORK).
2. Complete all the Class Work & Home work till now.

1. Design An Art integrated project based on the applications of set (related to monuments) in different states of TRIPURA.
2. Design a concept map of trigonometry in a world clock of radius 15 cm .
   Practice these assignment questions
3. Write the following sets in the roster form.
   a) A = {x : x2 + x , x ∈ R } b)F = {x : x4 -5x2+6 =0 , x ∈ R}
4. If L= {1,2,3,4} , M={3,,4,5,6} and N ={1,3,5} then verify that L -(M U N)=(L-M) ∩ (L-N).
5. Using Venn Diagram, for all sets A,B and C .Show that A-(B-C)≠ (A-B)-C.
6. In a group of 50 students, the number of students studying French, English, and Sanskrit were found to be as follows:
   French= 17, English =13, Sanskrit =15, French and English = 9, English and Sanskrit=10
   4, French and Sanskrit=5, French, English and Sanskrit=3 . Find the number of students who   study:

i) only French ii) only English iii) only Sanskrit iv) English and Sanskrit but not French v) French and Sanskrit but not English vi) French and English but not Sanskrit vii) at least one of the three languages. viii) None of the three languages.

7. Express each of the following by means of Venn Diagrams
   i) (A ∪ B) ∩ C ii) (A ∩ B) ∩ C iii) A - B iv) B – A

8. If A ={x: x∈ W, X<2}, B ={x: x ∈ N,1<x<5} and C={3,5}, then find :
   a) A X (B∩C) b) A X (B ∪ C)

9. Do all these activities in practical file Activity

    Activity 1: To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2 n .

    Activity 2: To represent set theoretic operations using Venn diagrams.

    Activity 3: To distinguish between a Relation and a Function.

    Activity 4: To verify the relation between the degree measure and the radian measure of an angle.

    Activity 5: To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.

10. Revise chapters 1, 2, 3 at least two times from M.L Aggarwal in separate note book.

PHYSICS:
- ➢ Working models according to the theme assigned in the classroom.
- ➢ Solve the exemplar questions of the following chapters.
  - Ch 1 Unit and dimension
  - Ch 2 Motion in one Dimension

CHEMISTRY:
- ➢ Investigatory projects
  - Synopsis of investigatory project is to be prepared.
    Note: In synopsis aim, material required and detailed procedure is to be written.
  - Students need to prepare synopsis using A-4 size white sheets without lines and all the sheets are to be attached in a file. [You can take help of internet while selecting the project for synopsis].
- ➢ Solve NCERT Exemplar questions of Some basic concepts of chemistry, Structure of atom

BIOLOGY:
- ➢ Prepare the Herbarium file by selecting any 10 plants species.
  - Bring Herbarium file from market.
  - Select any 10 plant species having stem, leaves, and flowers.
  - Keep them for dry in books by keeping weight on it.
  - Stick in the file by writing details.
- ➢ Solve the exemplar questions of the following.
   Unit 1. Diversity in living organisms.

COMPUTER SCIENCE:

1. Using a Pixel, a free online editor for animated sprites and pixel art.
   Try and make a GIF on the topic "Technology in Tripura", using this app for your own pixel art.
   Web link: https://www.piskelapo.com/

2. Project Work
   Do the case study of the project on the given topic: **A Journey 'FROM BASIC TO PYTHON'**
   It should include the following:

● Updation taking place in:
   • Hardware
   • Software
   • Operating System
   • People Behind for the updation
   • Advantages and Disadvantages Page 5 of 18

Guidelines for the Project:-

● Project Report must have a Title page, Acknowledgement page, Index page and Bibliography page.
● Project Report should be prepared in any Word processor (MS Word) software.
● Project Report must have a Header and Footer. Name of the Project topic should reflect in Header and Page number should be in the footer.
● Project Report must have 12 – 15 pages.

INFORMATICS PRACTICES:

Consider the following Table TRIPURA(one of the seven sister states) for 1st and 2nd program.

CLIMATE STATUS OF TRIPURA

TRIPURA

Year 2012	Max. Temp in	Min. Temp
Jan	24.3	11.7
Feb	29.2	12.7
Mar	33.4	21.6
April	32.7	23.1

1. Write a Python program to calculate sum of Max Temp and Min Temp of Jan taking both as constant values and print their sum.
2. Write a program to swap Max Temp and Min Temp of Feb taking both as constant values and print values before and after swapping.
3. Write a Python program to accept length and width of a rectangle and compute its perimeter and area.
4. Write a Python program to compute simple interest for given Principal amount, time and rate of interest.
5. Write a Python program to find whether a given number is even or odd?
6. Write a Python program to find largest among three numbers.
7. Write a Python program to perform arithmetic calculation. This program accepts two operands and an operator then displays the calculated result.
8. Write a Python program to check whether a given year is leap year or not.
9. Write a Python program to print table of a given number.

10. Write a Python Program to print first n Natural numbers and their sum.
11. Write a Python Program to accept two integers X and N, compute XN
12. Write a Python Program to calculate factorial of given number.
13. Write a program to print Fibonacci series.

Note* : Run the above codes in Python IDLE. Prepare a practical file having code and output(hardcopy).

FOOD AND NUTRITION:
 1. Prepare a folder of questionnaire on nutrition status in your locality, with summary .
 2. list out the difference between the summer and winter fruits comparing their nutritional status like VITAMINS , Minerals etc. (10)

ACCOUNTS:
Do additional questions of the following chapter.
Chapter 1 Introduction
Chapter 2 Basic Accounting terms.
Chapter 6 Accounting Equation.
Chapter 9. Journal.

BUSINESS STUDIES:
Do 15 Case studies for each chapter.
Chapter:-1 Business , trade and commerce
Chapter:-2 Forms of business organisation.
Chapter :-3 Public, Private and Global Enterprises

ECONOMICS:
 1. Collect data for the state TRIPURA on following topics
 A. Literacy rate (On gender basis)
 B. Industries (urban / rural)
 C. Employment types (urban / rural , gender basis)
    1. Show the data on histograms , bar diagrams and pie charts .
    2. Do 5 Numericals each for all methods of mean ,median & mode .

SOCIOLOGY:
1. Prepare a PPT on Tripura Society and Culture.
2. Project Work:
   Prepare a rough draught on any one of the following topics the Rough draught should have complete
  and detailed information along with the critical analysis of the topics.
Some suggested topics for project work are:
* The role of democracy in society
* Changing nature of religion and politics
* Changes in the village as a self-sustaining entity
* Development and Ecological Sustainability
* Domestic violence

- Gender inequality in workplace
- Impact of Westernization on people

POLITICAL SCIENCE:
Draft a factual sheet about Tripura including its Geographical location, People, Language, Political Identity etc.
Use pictures and relevant features to make it more informative.

HISTORY:
❖ **Make a project file on the following topics in a beautifully covered files as per as CBSE guidelines .**

ROLL NO.	TOPICS
1 to 4	Evolutionary aspect of human being
5 to 8	Europe from 13th to 16th century
9 to 12	European Voyages and Explorations
13 to 16	Incas of Peru and Mayas
17 to 20	Making and unmaking of Mesopotamia
21 to 24	Piecing together the past of Genghis Khan
25 to 28	An exploratory study into the making of America

Must begin the project by including the following parameters (more than 32 pages) :
- Front information (School name, academic year, Project title and roll no)
- Beautiful creative Cover page
- List of content with page number (index).
- Certificate
- Acknowledgement (giving credit to those who helped you in this project)
- Project overview (brief idea about the project)
- Content sheet (10 to 12 pages with relevant photographs with maps)
- Conclusion
- Bibliography (the book you read and the website you visited for the project)
❖ **Make a creative puppets on the life styles of the three orders (dressings) .**
❖ **Prepare a poster on the local political topics of Agartala (a capital city of Tripura).**

PHYSICAL EDUCATION:
Design a chart and describe six yogasan through diagrams or pictures, including their procedure, benefits and contraindications.