



ARMY PUBLIC SCHOOL, BIRPUR, DEHRADUN

WINTER BREAK HOLIDAY HW

CLASS:IX

SESSION - 2022-2023

ENGLISH

INSTRUCTION : Do Question 1 and 2 in A4 sheets / coloured papers OR in soft copy in computer and submit the print outs to your subject teacher.

Q1. Write a biography of your favourite English poet / author using the following hints :

- Name
- Date of birth
- Education
- Family
- Famous works
- Achievements (Also paste or draw his/her picture)

Q2. Make your profile by using the following hints :

- Name , Date of birth (also paste or draw your picture)
- Information about your family
- Your friends
- Your interests and hobbies
- Your strengths and weakness
- Your aim in life

Q3. Revise the chapters and topics for Final Exams

Q4. Task- Students have to make PPT on Comparative study of cuisines, costumes, historical places, music, art and festivals of Karnataka & Uttarakhand. PPT must includes 10-15 slides with audio description.

Note-

- First slide includes topic “Comparative Study of Culture of Karnataka & Uttarakhand”, name of the school, session, submitted to and submitted by.
- First slide is followed by Acknowledgement, introduction of Art integration, main content of project, conclusion and bibliography.

HINDI

❖ निर्देशानुसार निम्नलिखित प्रश्नों के उत्तर दीजिए।

- “नए इलाके में” कविता में कुछ हिन्दी महीनों के नाम आए हैं जैसे बैसाख, भादों आदि | सभी हिन्दी महीनों के नाम क्रम से लिखिए तथा उनमें आने वाले मुख्य त्योहारों के विषय में लिखिए | (नोट - A4 शीट पर लिखें)
- निर्देशानुसार करें :-

क) हॉस्टल में किए गए अपने अशोभनीय व्यवहार के लिए क्षमा माँगते हुए अपने पिता जी को पत्र लिखिए ।

ख) “सदाचार का महत्त्व” विषय पर 80-100 शब्दों में अनुच्छेद लिखिए ।

3) पूर्व पठित पाठ्यक्रम को याद कीजिए ।

नोट - प्रश्न 2 हिंदी व्याकरण की पुस्तिका में लिखें ।

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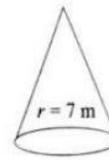
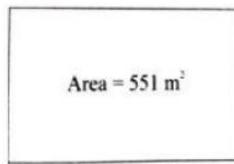
MATHS

ART INTEGRATED LEARNING ACTIVITY- MATHS WITH ARTS , SPORTS AND ADVENTURE (DO IT IN A4 SIZE PAPER)

CASE-STUDY-1

CASE-STUDY- ART INTEGRAED LEARNING- MATHS WITH ARTS, SPORTS AND ADVENTURE.

Adventure camps are the perfect place for the children to practice decision making for themselves without parents and teachers guiding their every move. Some students of a school reached for adventure at Sakleshpur. At the camp, the waiters served some students with a welcome drink in a hemispherical cup whose dimensions are shown below. After that they went for a jungle trek. The jungle trek was enjoyable but tiring. As dusk fell, it was time to take shelter. Each group of four students was given a canvas of area 551 m^2 . Each group had to make a conical tent to accommodate all the four students. Assuming that all the stitching and wasting incurred while cutting, would amount to 1 m^2 , the students put the tents. The radius of the tent is 7 m



Now based on given information answer the following question

- Find the volume of hemispherical cup if diameter is 7 m .
- The height of the conical tent prepared to accommodate four students is.
- How much space on the ground is occupied by each student in the conical tent ?

ART INTEGRATION PROJECT- UTTARAKHAND AND KARNATAKA. (DO IT IN A BEAUTIFUL FILE)

1. Write the history of Uttarakhand and Karnataka , collect the following informations and represent it graphically

- populations
- literacy rates
- Gender Ratio
- No. of districts
- No. of covid cases

LAB ACTIVITY

Do lab activity 7, 10 , 11 in your lab manual (lab manual of Army addition).

SCIENCE

- Make a list of Kharif & Rabi crops cultivated in your state
- Draw labeled diagrams of plant and animal cell, different types of plant and animal tissues and write shot note

on them.

- 3) Experiment: Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams
 - 4) Write an experiment for the Verification of the Laws of reflection of sound
 - 5) Do five numerical problems from every chapter of physics.
 - 6) Experiment: Determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.
 - 7) Study the contribution of different scientist in giving different model of an atom. Also state their drawbacks.
 - 8) Define the following with examples: i) element ii) compounds iii) molecules iv) ions
v) atomicity vi) valiancy
 - 9) Draw a valiancy table for negative and positive ions and learn it. Using this table write a molecular formula of any 20 compounds and write their chemical name and molecular mass.
- Note:** Revise chapters -1,2,3,4,5,6,8,9,10,11,12,15 for annual exams.

S.SCIENCE

1. On a scrap book do following activities-

- a) Compare the historical monuments of Karnataka and Uttarakhand offering glimpses of our past.
- b) Prepare a comparative case study of Uttarakhand and Karnataka based on their physiographic location, demography, culture, flora and fauna, literacy rate, social and economic development.
- c) Make a collage on the topic- India- a hub of Cultural diversity.

(Note- You will be awarded 5 marks of Subject Enrichment on the basis of this Homework)

AI/IT

SUBJECT- ARTIFICIAL INTELLIGENCE

AIP- Make an Art Integrated Project

TOPIC- Evolution of AI in Silicon Valley

Instructions- Project should be of 4-5 A4 pages. It should consist all relevant information along with the important pictures. Mention School Name, Your Name, Class and Topic on first page of your project and submit it in Stick file.

Write the following Python Programs:

Instructions- Write all the given python programs in AI Practical File. Program output to be written with Pencil only.

Practical file should be completely covered and presentable.

1. Write a Program to input three numbers and find their sum and product.
2. Write a Program to calculate S.I. by inputting the value of Principal Amount, rate from the user and time period of 4 years.
3. Write a Program to accept Marks in 5 Subjects and their average marks also.
4. Write a Program to Input a number and print its Square.
5. Write a Program to Input a number and print its Cube.
6. Write a Program to Input a number and check whether it is even or odd.
7. Write a Program to Input the age of a person and check whether a person is eligible to caste the vote or not.
8. Write a Program to Input a number and check whether it is positive or negative.
9. Write a Program to check whether the following are Leap year or not.
(YEARS- 2022, 2023, 2038, 2041)

10. Write a Program to take marks as input from users and calculate the grade based on the following criteria.

MARKS	GRADE
marks > 90	
marks 81-90	
marks 71-80	
marks 61-70	
marks <=60	

IT

Holiday Home work : -

For Eg.: Statue ,paper mache items , decorative show piece etc
Of your choice

Make one beautiful 3 D concrete creative craft

Note :- *The craft should be creative & presentable.

* You will Submit. your work on the very first day after school reopens
to both the moniters of your class .He/ She will submit it in the art room

ART AND CRAFT

Holiday Home work : - Make one beautiful 3 D concrete creative craft

For Eg.: Statue ,paper mache items , decorative show piece etc
Of your choice

Note :- *The craft should be creative & presentable.

* You will Submit. your work on the very first day after school reopens
to both the moniters of your class .He/ She will submit it in the art room

