KV AFS BAGDOGRA

HOLIDAY HOME WORK MATHS

CLASS XII : 2023-24

Complete the following activities in the Activity Note Book :

1. To verify that the relation R in the set L of all lines in a plane, defined by R = {(l, m) : l ⊥ m} is symmetric but neither reflexive nor transitive.
2. To verify that the relation R in the set L of all lines in a plane, defined by R = {(l, m) : l ∥ m} is an equivalence relation.
3. To draw the graph of , using the graph of sin x and demonstrate the concept of mirror reflection (about the line y = x).
4. To sketch the graphs of and , a > 0, a ≠ 1 and to examine that they are mirror images of each other.

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SUMMER HOLIDAY HOMEWORK

CLASS – 12 SCIENCE (2023-24)

ENGLISH

1. Write a piece of a poem (minimum 8 lines) or a prose in 120-150 words on the topic 'My Mother'. Paste a picture of yourself with your mother.

2. Write down the importance of mother Tongue in 150 words.

3. Imagine you have travelled back to your favorite time in the past. You got a chance to meet your favorite person. Create a dialogue that took place between the two of you in six exchange sets.

4. Create a collage on CHILD LABOUR.

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SUMMER HOLIDAY HOMEWORK

CLASS – 12 SCIENCE (2023-24) PHYSICS

CHAPTER -1 & 2

1. NCERT EXERCISE SOLUTIONS

2. PREVIOUS YEARS QUESTIONS SOLUTION (10 YEARS)

3. NCERT EXEMPLAR SOLUTIONS

केन्द्रीय विद्यालय वायु सेना स्थल बागडोगरा

ग्रीष्मकालीन अवकाश गृह कार्य

विषय – हिन्दी ,कक्षा – 12

निर्देश   सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में कार्य फाइल में करेंगे।-:

1. कवि हरिवंश राय बच्चन के अनुसार जीवन जीने की क्या विशेषता है उल्लेख कीजिए।

2. सिल्वर वेडिंग पाठ का सारांश अपने शब्दों मे लिखिये।

3. भक्तिन और लेखिका के बीच कैसा संबंध था?

4. पाठ के आधार पर भक्तिन की तीन विशेषता बताइये।

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HOLIDAY HOME WORK BIOLOGY

CLASS XII SCIENCE : 2023-24

1. Investigatory project to be done on the given topic.

2. Solve NCERT Exercise Questions of Chapter 4 &10.

3. Solve last 5 previous year board question paper for the Chapters -2,4,8,10.

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CHEMISTRY HOLIDAY HOME WORK

CLASS XII SCIENCE: 2023-24

1. Investigatory project to be done on the given topic.

2. Solve NCERT Exempler Questions of Chapter: CHEMICAL KINETICS,HALOALKANES & HALOARENES

3. Solve last 10 previous year board question paper for the Chapters –CHEMICAL KINECTICS, HALOALKANES & HALOARENES,ALCOHOLS &PHENOLS(ONLY)

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PHYSICAL EDUCATION HOLIDAY HOME WORK

CLASS XII SCIENCE: 2023-24

1. Questions to be solved of Chapter 1(Planning in sports)
2. Draw the pictures of 21 teams on knockout basis.
3.

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COMPUTER SCIENCE HOLIDAY HOME WORK

CLASS XII SCIENCE: 2023-24

MCQs:

1. Write the output of the following code :

```
>>> L=["Amit","Anita","Zee","Longest Word"]
>>> print(max(L))
```
a.) Zee c.) Error
b.) Longest Word d.) None of the above

2. Write the output of the following code :

```
L=list("www.csiplearninghub.com")

print(L[20 : -1])
```

a.) ['c' , 'o']   c.) (com)

b.) ['c' , 'o' , 'm']   d.) Error

3. Which one of the following is correct?

a.) In python, a dictionary can have two same keys with different values.

b.) In python, a dictionary can have two same values with different keys

c.) In python, a dictionary can have two same keys or same values but cannot have two same

key-value pair

d.) In python, a dictionary can neither have two same keys nor two same values.

4. What will be the output of the following Python code?

```
x = ['ab', 'cd']

for i in x:

x.append (i.lower ())
```

print(x)

a) ['AB', 'CD'] b) ['ab', 'cd', 'AB', 'CD']

c) ['ab', 'cd'] d) none of the mentioned

5. Consider the code given below and Identify how many times the message "Hello

All" will be printed

        def prog(name):

                for x in name:

                        if x.isalpha():

                                print('Alphabet')

                        elif x.isdigit():

                                print('Digit')

                        elif x.isupper():

                                print('Capital Letter')

                        else:

                                print('Hello All')

                prog('vishal123@gmail.com')

        a) 0   b) 2   c) 1   d) 5

PROGRAMMING TYPE QUESTIONS:

1. Write a program in python to swap two variables by creating a function of your own (let's say swap ()) and show the values before and after printing.
2. Write a program in python that takes a string with multiple words and then capitalizes the first letter of each word and forms a new string out of it.
3. Draw the entire environment, along with the flow of execution for the following code:

   1. def sum(a,b,c,d):

   2.   result=0

   3.   result= result +a + b + c + d

   4.   return result

   5. def length():

   6.   return 4

   7. def mean(a,b,c,d):

   8.   return float(sum(a,b,c,d))/length()

   9. print(sum(a,b,c,d), length(),mean(a,b,c,d))

DESCRIPTIVE TYPE QUESTIONS:

1. Write the algorithm for Binary and Linear Search.
2. Write three significance of having functions in program.
3. Write the similarities and differences between lists and tuples in python with examples.
4. What is the difference between (30) and (30,)? Why is a dictionary termed as an unordered collection of objects?