

APS INTERNATIONAL SCHOOL, UJHANI
SUMMER HOLIDAY HOMEWORK (2024-25)
CLASS- XII (PCM)

SUBJECT- ENGLISH

Reading and Writing Practice

1- First Five unseen Passages from Practice-Paper Bravia.

2- Worksheet 23,24,25,26, 82,83,84,91,92,97

Project Work

1- One Project work to develop their creative skill has been given to the students in group of six students. This work has been displayed on the Board in the class. Their groups have been formed.

2- Read a book (Hard Cover/Paper back edition/Kindle Edition) fictional or nonfictional of your choice and write a review of the book. You may ask for suggestion in the class group.

SUBJECT- PHYSICS

1- Prepare an activity file of 6 Activities as given in the class.

2- Solve the worksheet given in class.

3- Solve previous year questions (last 10 years) of chapter 01 & 02.

SUBJECT- CHEMISTRY

Prepare lab Manual as instructed in class.

Note: Prepare Investigatory project report on one of the following topics.

Project-1 To study the presence & oxalate ions in Guava fruit at different stage of ripening.

Project- 2 To Study the quantity of casein protein in different samples of milk.

Project-3 A comparative study of the rate of fermentation of wheat flour, Gram flour, Potato juice, Carrot & Apple Juice.

Project-4 To Study of common food adulterants in fat, oil, butter, sugar, turmeric, chilli & pepper powder.

Project-5 To prepare soyabean milk and compare it with Natural milk with respect to curd formation, effect of temp.

Note: Students are advised to solve previous year question papers in fair copy.

SUBJECT- MATHEMATICS

Activity-1 To demonstrate a function which is not one-one but is onto.

Activity-2 To verify that the relation R in the set L of all lines in a plane, defined by

$R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive.

Note: Solve Previous year questions (last 10 years) of chapter 01, 02 & 03.

SUBJECT- HINDI

1. मॉल की संस्कृति और सामान्य बाजार और हाट की संस्कृति में आप क्या अंतर पाते हैं? पर्वेजिंग पावर आपको किस तरह के बाजार में नज़र आती है। (मॉल, हाट व सामान्य बाजार को चित्रों के साथ प्रदर्शित कीजिए)
2. ग्रामीण क्षेत्रों में आज भी लड़के को लड़की से श्रेष्ठ माना जाता है। कारणों पर प्रकाश डालिए। इस संदर्भ में अपनी राय लिखिए।
3. आप जनसंचार के किस माध्यम को पसंद करते हैं। पसंद करने के कारण लिखिए।
4. अभिनय/खेल/राजनीति से जुड़े व्यक्ति से साक्षात्कार करने के लिए 10 प्रश्नों की एक सूची तैयार करें और लिखें।

SUBJECT- COMPUTER SCIENCE NEW

WEEK 1

1. Write a Python program to sum all the items in a list.
2. Write a Python program to get the largest number from a list.
3. Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings.

Sample List : ['abc', 'xyz', 'aba', '1221']

1. Write a Python program to remove duplicates from a list.
2. Write a Python program to generate and print a list of first and last 5 elements where the values are square of numbers between 1 and 30 (both included).

WEEK 2

1. Write a Python program to count the number of characters (character frequency) in a string. Sample String : google.com'
Expected Result : {'o': 3, 'g': 2, '.': 1, 'e': 1, 'l': 1, 'm': 1, 'c': 1}
2. Write a Python program to get a string from a given string where all occurrences of its first char have been changed to '\$', except the first char itself.
Sample String : 'restart'
Expected Result : 'resta\$t'
3. Write a method in python to display the elements of a list twice if it is a number and display the element terminated with '*' if it is not a number.
4. Write a user defined function findname (name) where name is an argument in python to delete phone number from a dictionary phonebook on the basis of the name ,where name is the key.
5. Write a program to input employee number and name for N employees and display all employees' information in ascending order of their employee number.

WEEK 3

1. Write a Python program to create a tuple of numbers and print one item.
2. Write a Python program to unpack a tuple into several variables.
3. Write a Python program to convert a tuple to a string.
4. Write a Python program to get the 4 th element from the last element of a tuple.
5. Write a Python program to remove an item from a tuple.

WEEK 4

1. Write a Python script to add a key to a dictionary.
Sample Dictionary : {0: 10, 1: 20}
Expected Result : {0: 10, 1: 20, 2: 30}
2. Write a python script to concatenate the following dictionaries to create a new one.
Sample Dictionary :
dic1={1:10, 2:20}
dic2={3:30, 4:40}
dic3={5:50,6:60}
Expected Result : {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
3. Write a python script to check whether a given key already exists in a dictionary.
4. Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x*x).
Sample Dictionary (n = 5) :
Expected Output : {1: 1, 2: 4, 3: 9, 4: 16, 5: 25}
5. Write a Python program to combine two dictionary by adding values for common keys.
d1 = {'a': 100, 'b': 200, 'c':300}
d2 = {'a': 300, 'b': 200, 'd':400}
Sample output: Counter({'a': 400, 'b': 400, 'd': 400, 'c': 300})

SUBJECT- PHYSICAL EDUCATION

- 1- SAI Khelo Fitness Test
- 2- 1 Major game (History of game, Terminology, Court Measurement, Rules & Regulations)
- 3- Practice Yoga Asanas during the summer holidays (2 sitting, 2 laying, 2 standing)= On 21 of June submit the video of these asanas while practicing.
- 4- Practice Surya Namaskar during the vacations Make a video of Surya Namaskar submit it by 21 of June.

SUBJECT- FINE ART

10 Still life with water colour.

SUBJECT- HINDUSTANI MUSIC VOCAL

दीर्घ उत्तरीय प्रश्न-

1. तानपूरे का सचित्र वर्णन कीजिए।
2. तानसेन का जीवन परिचय लिखिए।
3. राग मालकौंस का छोटा ख्याल की स्वर लिपि लिखिए।
4. पाठ्य क्रम में किसी ताल का परिचय तथा विशेषताएँ लिखिए।
5. तीनताल की चौगुन की लयकारी एक आर्वतन में लिखिए।

अतिलघु उत्तरीय प्रश्न-

1. खटका को परिभाषित कीजिए।
2. मुर्की की परिभाषा लिखिए।
3. तीनताल की ठाह लिखिए।
4. गमक को परिभाषित कीजिए। तथा प्रकार लिखिए।
5. राग मालकौंस की विशेषताएँ लिखिए।
6. सात स्वरों के नाम लिखिए।
7. **समपदी** ताल का नाम बताइये।
8. कण कितने प्रकार के होते हैं। परिभाषित कीजिए।
9. **मोड़** की परिभाषा लिखिए।
10. तीनताल की तिगुन एक आर्वतन में कितनी मात्रा में आएगी।

बहुविल्पीय प्रश्न-

1. धा धिं धिं ताल है।
 1. धमार 2. कहरवा 3. रूपक 4. तीनताल
2. षड़ज स्वर है।
 1. म 2. प 3. ध 4. स
3. **धाधिं** धिंधा लयकारी है।
 1. तिगुन 2. दुगुन 3. चौगुन 4. अठगुन
4. तानसेन के बचपन का नाम था।
 1. **तन्ना** मिश्र 2. रामदास 3. गोपालदास 4. रैदास
5. मैरिस म्यूसिक कॉलेज की स्थापना की।
 1. तानसेन 2. पं. विष्णु दिगम्बर 3. भारखण्डे 4. 21
6. तानपूरे में तार होते हैं।
 1. पाँच 2. दो 3. तीन 4. चार
7. गुलू, जवारी, तारगहन अंग है।
 1. सितार 2. गिटार 3. हारमोनियम 4. तानपूरा
8. धातिंतिंता ताल है।
 1. समपदी 2. विषमपदी 3. असमपदी 4. विषम

प्रोजेक्ट कार्य-

तानपूरे का चित्र चार्ट पेपर पर बनाइये।

पं विष्णु नारायण भातखण्डे अथवा तानसेन का चित्र चार्ट पर बनाइये।

Happy

dreamstime.

