

**SANT NIRANKARI PUBLIC SCHOOL**

**NIRANKARI COLONY**

**CLASS XII B (2022-23)**

**HOLIDAY HOMEWORK**

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**SUBJECT: ENGLISH**

**General Instructions :**

- Revise all the topics/chapters done in the class.
- Writing skills should be done in your English Classwork notebook.
- Projects to be made in a separate project file.

**Q1. PROJECT TOPICS**

**TOPIC1 -The Last Lesson**

- Elaborate the theme of Linguistic Chauvinism and Procrastination and importance of Time Management.
- Collect data about countries where people have these tendencies.
- How do they give importance to their mother tongue?

**TOPIC2 -The Lost Spring**

- Collect data about various slums in our country and living conditions there. Also elaborate whether children have access to education there.
- How children are engaged in various kinds of work (Below 14)?
- Collect all information about biggest slums.

**TOPIC3-My Mother At Sixty-six**

- Explain the importance of parents in the family.
- On the context of the poem how do you love and care for your mother?
- Collect data about condition of old age homes in our country, living condition there, number of old age homes.

**TOPIC4 -The Third Level**

- Why 'hurry and worry' are trademarks of modern men?
- How far today's life is insecure? Why do modern men want to escape?
- Interview your school principal/teacher or the counselor to know the problems (stress, fear, anxiety etc.) faced by the students.

**TOPIC 5- DEEP WATER**

- Elaborate your any personal experience about any kind of fear haunted you yet.
- How did you overcome that fear ?
- Collect data about types of fear people have in your locality and how they are trying to overcome it.

**WRITING SKILLS**

## NOTICEWRITING

1. You are Secretary of the History Club of VidyaMandir School. Draft a notice in not more than 50 words informing students of a proposed visit to some important historical sites in your city.
2. As Sports Secretary of G.D.G. Public School, Pune, draft notice in not more than 50 words for your school notice board informing the students about the sale of old sports goods of your school. You are Rohini/Rohit
3. You are Srinivas Srinidhi of D.P. Public School, Nagpur. As Student Editor of your school magazine, draft notice in not more than 50 words for your school notice board inviting article sketches from students of all classes

## INVITATIONS

1. As the principal of a reputed college, you have been invited to inaugurate a Book Exhibition in your neighbourhood. Draft a reply to the invitation in not more than 50 words, expressing your inability to attend the function. You are Tarun/Tanvi
2. Sunrise Global School, Agra is going to organize a one-act play competition in the school auditorium. You have decided to invite noted stage artiste, Nalini to grace the occasion. Draft a formal invitation for her in about 50 words. You are Karuna/Karan, Cultural Secretary
3. You are the Secretary of the Old Students' Association, Mayo School, Ajmer. The 20th Alumni Meet will be held on Sunday, the 28th Sept. 20XX at 8.00 p.m. at Palace Hotel. Write invitation letters to all the old students of the school to attend the meet.

### LETTER TO THE EDITOR

1. You are a resident of Mahalakshmi Apartments, Patparganj, Delhi. Your residential area is flooded with roadside dwellers who are deprived of the basic civic amenities like light, public toilets and bathrooms. Write a letter to the Editor of The Hindustan Times, highlighting the problems of these roadside dwellers, and also the problems posed by them to the public. Give suggestions for improvement.
2. You are Nandita Patnaik of 25, Ring Road, Cuttack. You came across an advertisement based on laser technology to help ladies look best. You feel strongly about the dangers inherent in the use of these synthetic chemicals and over exposure of skin to laser beams. Write a letter to the Editor of 'The Sun', highlighting the possible dangers to the users and suggesting action against the exploiters.

## SUBJECT: MATHEMATICS

**ACTIVITY-1:** 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.

**ACTIVITY-2:** To verify that the relation  $R$  in the set  $L$  of all lines in a plane, defined by  $R = \{(l, m) : l \parallel m\}$  is an equivalence RELATION

**ACTIVITY-3:** To demonstrate a function which is not one-one but is onto

**ACTIVITY-4:** To demonstrate a function which is one-one but not onto

**ACTIVITY 5:** To evaluate the definite integral  $\int_a^b \sqrt{1-x^2} dx$  as the limit of a sum and verify it by actual integration

**ACTIVITY 6:** To verify that angle in a semi-circle is a right angle, using vector method

**ACTIVITY-7:** To demonstrate the equation of a plane in normal form

**ACTIVITY 8:** To explain the computation of conditional probability of a given event  $A$ , when event  $B$  has already occurred, through an example of throwing a pair of dice.

- .Revise the chapters done and also do examples of each chapter in a separate practice copy.

### **SUBJECT: I.P**

1. What do you mean by Pandas series?
2. Explain the following functions:  
a. loc()      b. iloc()    c. head()    d. tail()
3. Define Dataframe
4. Consider dataframe to store the following details:

ICode	Item	DatePurchase	UnitPrice	Discount
A21	Frock	2016-01-23	700	10
B26	Cot	2015-09-23	5000	25
B35	Soft Toy	2016-06-17	800	10
C80	Baby Socks	2014-10-16	100	7
A30	Baby Suit	2015-09-20	500	5

1. Write a program to create the mentioned dataframe with index values as 10,20,30,40,50
2. Write the code to display first three records from the dataframe
3. Write the code to display last 4 records from the dataframe

**5. Give the output of the following code:**

```
Stationary =['pencils','notebooks','scales', 'erasers']
```

```
S1=pd.Series([20,23,45,60], index=Stationery)
```

```
S2= pd.Series([30,40,50,70], index=Stationery)
```

```
print(S1+S2)
```

```
s=S1+S2
```

```
print(s+S1)
```

5. Make a PowerPoint presentation on “Cyber Safety”
6. Do all the questions based on the topic “Series and Dataframe” from last year CBSE sample papers.

### **SUBJECT: PAINTING**

Portfolio work. –

Make two compositions of your choice on A2 size ivory sheet with five to six human figures adding still life drawings.

### **SUBJECT: BUSINESS STUDIES**

1. Students are supposed to make **ONE PROJECT ( 20 MARKS)** from the topics already given to them in the class .The topics are:
  - 1) Project-1 Principles of management
  - 2) Project -2 Marketing Management)
  - 3) Project -3-Stock exchange
  - 4) Project -4- Elements of Business Environment

PRESENTATION AND SUBMISSION OF PROJECT REPORT should be as per the instructions given in the book under the heading of **Project Guidelines**.

### **SUBJECT: ACCOUNTANCY**

- Q 1. Complete all questions of the chapters 'Accounting for Share Capital', 'Accounting for Debentures', 'Financial Statements of a Company', 'Analysis of Financial Statements of a Company' and 'Accounting Ratios'.
- Q 2. Make notes of the above said chapters.
- Q 3. Prepare Accountancy Comprehensive Project. Guidelines regarding same will be shared in the group.
- Q 4. Do art integrated activities related to chapters done to enhance your learning.
- Q 5. Revise concepts and practice questions from the documents shared for the exams.

### **SUBJECT: ECONOMICS**

- Q 1. Complete all the worksheets of the chapters done.
- Q 2. Prepare your own notes of all the chapters till Human Capital Formation in India.
- Q 3. Prepare Economics Project of the topic allotted. List of allotted topics will be shared in the group.
- Q 4. Do art integrated activities related to chapters done to enhance your learning.

### **SUBJECT: ENTREPRENEURSHIP**

PROJECT WORK-Students are supposed to make project on PROJECT-I Market survey .(As per guidelines of CBSE FOR PROJECT WORK).

#### **Note**

REFER TEXT BOOK AND READ "GUIDELINES FOR PRACTICAL EXAMINATION".

### **SUBJECT: PHYSICAL EDUCATION**

Physical Practical: 30 marks

#### **1.PHYSICAL FITNESS TEST**

SAI Khelo India Test, Brockport Physical Fitness Test ( BPFT ) : 6 marks

BMI: Weight/Height Speed: 50 Mtrs Standing Brad jump

Endurance:

600 Mtr Run/ Walk

Flexibility:

Sit and Reach (Box) Core:

Partial Curl up 30 Secs Muscular Endurance:

Push Ups (Boys) & Modified Push Ups for Girls

Khelo India (school version)

Name the test items of

👍 Khelo India fitness test 👍

Proficiency in

#### **2. 👍 GAMES AND SPORTS ( SKILL OF ANY ONE IOA RECOGNISED SPORTS/ GAMES OF YOUR CHOICE ( 7 marks)**

On your choice games ( volleyball, football, Hockey, Cricket,

Basketball, Bocce and Unified Basketball, (children with special needs- divyang)

### 3. YOGA PRACTICE ( 7 marks )

👉 Yoga and lifestyle ( Obesity, Diabetes, Asthma, Hipertension, Back pain)

### RECORD FILE ( 5 marks )

Viva Voce (Health/ Games & Sports/ Yoga): 5 Marks