St. XAVIER'S HIGH SCHOOL
EDUCATION FOR ALL

BANKURA, WB
Affiliation No.: 2430130

Affiliated to CBSE (New Delhi) 10+2 level
School Code: 15720

SUMMER VACATION ASSIGNMENT FOR CLASS-X

SUBJECT: ENGLISH

1) Your school has organised an educational trip to Fatehpur Sikri and Agra. You notice the dilapidated condition of some of the monuments. Write a letter to the Municipal Chairman of Agra mentioning the conditions and requesting him to take urgent steps for the preservation of this valuable heritage. You are Anuj/Anuja, Civil Lines, New Town.(100-120 words)

2) "A Letter to God", "A Triumph of Surgery"- form questions from this chapter atleast 10 questions from each and write the answers

3) Fill in the blank with missing determiners:-

A tornado is _____ violent storm that can destroy buildings, tumbler or whirl vechiles across large distance. It can uproot trees and cause_____ damage to life and property.

A tornado is formed when a funnel cloud touches_____ ground. A funnel cloud is a rotating cone-shaped column of air. At times, the rotation column of dust or debris rotates to indicate_____ occurrence of the tornado.

_____ tornadoes forms from the thunderstorms. Usually,when warm and moist air meets cool and dry air, it leads to instability in _____ atmosphere, triggering off_____ storm.

SUBJECT: BENGALI

১. তোমাদের পাঠ্য সম্পূর্ণ "পোস্টমাস্টার" গল্পটি সাধু ভাষা থেকে চলিত ভাষায় লেখ।

২. তোমার ইংরাজি পাঠ্য বই থেকে "NELSON MANDELA- Long Walk to Freedom" গল্পটি সম্পূর্ণ বাংলায় অনুবাদ করে নিজের ভাষায় লেখ।

৩. নিচের তিনটি বিষয় নিয়ে নিজের ভাষায় অনুচ্ছেদ রচনা লেখ। (১৫০-২০০ শব্দের মধ্যে)

ক) তোমার জীবনে শিক্ষক-শিক্ষিকাদের ভূমিকা।

খ) একজন মাধ্যমিক পরীক্ষার্থী হিসেবে তোমার পরিকল্পনা।

গ) তোমার প্রিয় ব্যক্তি/গুরুজন/মনীষী।

(On Copy)

SUBJECT: HINDI

(इन्हें एक अलग कॉपी में लिखेँ लाइन वाली कॉपी में)

1. हालदार साहब कैप्टन को देखकर चकित क्यों हो गया था ?

2. पानवाला का चरित्र चित्रण कीजिए ।

3. 'नेताजी का चश्मा पाठ का संदेश अपने शब्दों में लिखिए ।

4. कैप्टन कौन था ? वह मूर्ति के चश्में को बार – बार क्यों बदल दिया करता था ?

5. उद्धव के व्यवहार की तुलना किस –किससे की गई हैं ?

6. सूरदास के भ्रमरगीत की मुख्य विशेषताएँ लिखिए ।

7. गोपियों के अनुसार राजा का धर्म क्या होना चाहिए ?

8. कृष्ण के प्रति अपने अनन्य प्रेम को गोपियों ने किस प्रकार अभिव्यक्त किया है ?

9. रचना के आधार पर वाक्य के कितने भेद होते हैं ? सभी का एक -एक उदाहरण दीजिए/।

10. आश्रित उपवाक्य कितने होते हैं ? सभी का एक –एक उदाहरण दीजिए ।

SUBJECT: MATH

1. Write down the four activities in Mathematics Lab Manual.

NOTE: PDF of the activities will be provided in the class group.

2. Solve the example portion of NCERT book of chapter 1,2,3 & 4.

SUBJECT: SCIENCE

A. Prepare the project/ portfolio in A4 sheet and compile in a channel file, according to the assigned Roll no.

Sequence of roll number is already provided.

 Information regarding the project

1. The project should be in handwritten form in A4 sheet.bNo Printed Project is accepted.

2. Project must contain pictures (Mandatory), statistical representation(if any).

3. The project must contain the following points:

1. Coverpage(School name, school logo, name of topics, students name, class, subject, subject code(086), session, roll number, guided by) in printed form only.

2. Certificate with place for teacher signature, Principal signature, in printed form only.

3. Acknowledgement

4. Index

5. Introduction/Abstract about the topic provided.

6. Main content (Definition, meaning, importance, advantage, disadvantages etc.)

7. Future aspects

8. Conclusion

9. Bibliography

1. RAINWATER HARVESTING (Roll 1-12)

2. CHIPKO MOVEMENT (Roll 13-24)

3. FOREST AND WILDLIFE CONSERVATION (Roll 25-36)

4. THREE R's TO SAVE ENVIRONMENT (Roll 37-48)

B. Write the experiments in the provided Practical book cum notebook with well labelled diagram.

Experiment No.1- To prepare temporary mount of a leaf peel to show stomata.

Experiment No. 2- Determination of the focal length of-

 (I) Concave mirror

(II) Convex lens

By obtaining the image of a distant object.

Experiment No. 3- Study of the following properties of acetic acid (Ethanoic acid),

(I) Odour

(II) Solubility in water

(III) Effect on litmus

(IV) Reaction with Sodium Hydrogen Carbonate ($NaHCO_3$).

SUBJECT: SOCIAL SCIENCE

LIST OF MAP ITEMS / LIST OF AREAS TO BE IDENTIFIED ON MAP

CHAPTER – NATIONALISM IN INDIA -

- CONGRESS SESSIONS –
    - 1920 CALCUTTA
    - 1920 NAGPUR
    - 1927 MADRAS SESSION
- 3 SATYAGRAHA MOVEMENTS –
    - KHEDA
    - CHAMPARAN
    - AHMEADABAD MILL WORKERS
- JALLIANWALA BAGH
- DANDI MARCH

SUBJECT – GEOGRAPHY

CHAPTER – RESOURCE AND DEVELOPMENT

- IDENTIFY MAJOR SOIL TYPES

CHAPTER – WATER RESOURCES

LOCATING AND LABELLING :

- SALAL

- BHAKRA NANGAL
- TEHRI
- RANA PRATAP SAGAR
- SARDAR SAROVAR
- HIRAKUND
- NAGARJUN SAGAR
- TUNGABHADRA

CHAPTER – AGRICULTURE

IDENTIFY :

- MAJOR AREAS OF RICE AND WHEAT
- LARGEST/MAJOR PRODUCER STATES OF SUGARECANE, TEA, COFFEE, RUBBER, COTTON AND JUTE

CHAPTER – MINERALS AND ENERGY RESOURCES

IDENTIFY :

- IRON ORE MINES
- MAYURBHANJ
- DURG
- BAILADILA
- BELLARY
- KUDREMUKH
- COAL MINES
- RANIGANJ
- BOKARO
- TALCHER
- NEYVELI
- OIL FIELDS
- DIGBOI
- NAHARKATIA
- MUMBAI HIGH
- BASSEIN
- KALOL
- ANKALESHWAR

LOCATE AND LABEL : POWER PLANTS

- THERMAL
- NAMRUP
- SINGRAULI
- RAMAGUNDAM
- NUCLEAR
- NARORA
- KAKRAPARA
- TARAPUR
- KALPAKKAM

CHAPTER – MANUFACTURING INDUSTRIES

(LOCATING AND LABELLING ONLY)

- COTTON TEXTILE INDUSTRIES : a. MUMBAI b. INDORE c. SURAT d. KANPUR e. COIMBATORE

- IRON AND STEEL PLANTS :   a. DURGAPUR b. BOKARO c. JAMSHEDPUR d. BHILAI e. VIJAYNAGAR f. SALEM
- SOFTWARE TECHNOLOGY PARKS : a. NOIDA   b. GANDHINAGAR c. MUMBAI d. PUNE e. HYDERABAD f. BENGALURU g. CHENNAI h. THIRUVANANTHAPURAM

CHAPTER – LIFELINES OF NATIONAL ECONOMY

LOCATING AND LABELLING

- MAJOR SEA PORTS
- KANDLA
- MUMBAI
- MARMAGAO
- NEW MANGLORE
- KOCHI
- TUTICORIN
- CHENNAI
- VISAKHAPATNAM
- PARADIP
- HALDIA
- INTERNATIONAL AIRPORTS
- AMRITSAR (RAJA SANSI – SRI GURU RAM DASJEE)
- DELHI (INDIRA GANDHI)
- MUMBAI (CHHATRAPATI SHIVAJI)
- CHENNAI (MEENAM BAKKAM)
- KOLKATA (NETAJI SUBHASH CHANDRA BOSE)
- HYDERABAD (RAJIV GANDHI **)**

SUBJECT: AI

Write the following python programs in practical file.

(i) Write a python program to print the multiplication table for the given number.

(ii) Write a python program to check whether the given number is prime or not?

(iii) Write a python program to find factorial of the given number?

iv) Python Program to Check Prime Number

v) Python Program to Check Armstrong Number

vi) Python Program to Print the Fibonacci sequence

Vii) Python Program to Check if a Number is Positive, Negative or 0

viii) Python Program to Find ASCII Value of Character

ix) Python Program to Convert Decimal to Binary Using Recursion

x) Python Program to Check Whether a String is Palindrome or Not

NOTE : ALL THE ASSIGNMENT MUST BE DONE IN A RULED COPY.