



St. XAVIER'S HIGH SCHOOL

EDUCATION FOR ALL
BANKURA, WEST BENGAL

Affiliated to CBSE (New Delhi) 10+2 Level

Affiliation No.: 2430130

School Code: 15720

SUMMER VACATION ASSIGNMENT FOR CLASS IX

A. SOCIAL SCIENCE

1. Make a project on “Disaster Management “. Topics are mentioned below according to roll numbers. Include one case study on the topic.

Topics-

1. Flash flood (Uttarakhand 2021)
2. Forest fire (Amazon forestfire in 2020)
3. Earthquake (Assam earthquake on 28/04/2021)
4. Nuclear explosion (Case study-Hiroshima Nagasaki)
5. Cyclone (Amphan)
6. Chemical Disaster (Bhopal gas strategy)
7. Famine(Orissa 1866)
8. Tsunami (Indian Ocean tsunami in 2004)
9. Heat wave (Heat wave 2023 in India)
10. Landslide (Kerala landslide in 2020)

Include the following-

- i)Certificate
- ii)Acknowledgment
- iii)Contents
- iv)Introduction (What is Disaster, and its types)
- v) Introduction to topic (e.g. cyclone)
- vi) Types
- vii) Causes
- viii) Impact
- ix) Mitigation
- x) Case study (e.g. Amphan)
- xi) Conclusion
- xii)Bibliography

B. HINDI

1. प्रेमचंद के जीवन परिचय लिखें।

2. दस पृष्ठ हिंदी सुलेख लिखें।

3. निम्नलिखित विषयों पर निबंध लिखें-

(क) नारी सशक्तिकरण (ख) भ्रष्टाचार एक कोढ़ (ग) पर्यटन स्थल: राजगीर

4. अपने क्षेत्र में पीने के पानी की समस्या से संबंधित मेयर को पत्र लिखिए।

C. ENGLISH

1. Write down the central idea of the poem ‘The Road not Taken’.

2. You met your old friend in the market today after five years. Write a diary entry expressing your thoughts and emotions on the meeting.

3. Write a short story in 200 – 250 words, with the help of the cues given below. Give a suitable title to the story.

Satish was standing on the balcony watching the last rays of the Sun.----Loud and angry voices in the street below distracted his attention.---He ran down the stairs to see what had happened

D. SCIENCE

1. Prepare an individual working/ 3-D model relevant to any topic of science. Ex- DNA model, Prokaryotic cell, kaleidoscope, Periscope, 3-D model of chemical compound.
2. (a) When a solid melt, its temperature remains constant. Explain.
(b) You want to wear your favourite shirt in a party, but the problem is that it is still wet after a wash. Mention three steps with reason that you would take to dry it faster?
(c) It is a hot summer day. Priyanshi and Ali are wearing cotton and nylon clothes respectively. Who do you think would be more comfortable and why?
3. (a) Explain which one will cause more severe burns—boiling water at 100°C or steam at 100°C.
(b) Archit dropped a crystal of potassium permanganate into two beakers A and B containing hot water and water respectively. After keeping the beakers undisturbed for some time what did he observe and why?
4. (a) Define the process of vaporisation.
(b) List four factors which affect the rate of Evaporation.
5. (a) What is the reason for the existence of the three states of matter?
(b) What will happen when solid ammonium chloride is heated?
(c) The room temperature is 25°C. What is the corresponding temperature on the Kelvin scale?
(d) What happens to the particle motion if the temperature of the gas is increased?
(e) A substance "X" was highly compressible and could be easily liquified. It could also take up the shape of any container. Predict the nature of the substance. Enlist four properties of this state of matter.

E. MATHEMATICS

1. From Chapters 1, 2, 3 & 4 NCERT Book

- i) Solve 5 MCQ from each chapters.
 - ii) 5 Subjective questions from each chapters.
- (Note: - Questions excluded from NCERT Book.)

F. BENGALI

১. তোমাদের পাঠ্য "আম আঁটির ভেঁপু" থেকে প্রত্যেকটি খন্ডের মূল বিষয়বস্তুগুলি নিজের ভাষায় লেখ (১-১৯ খন্ড)।
২. তোমার ইংরাজি পাঠ্য বই থেকে "THE LAST LEAF" গল্পটি সম্পূর্ণ বাংলায় অনুবাদ করে লেখ।
৩. নিচের তিনটি বিষয় নিয়ে নিজের ভাষায় অনুচ্ছেদ রচনা লেখ। (১৫০-২০০ শব্দের মধ্যে)।
ক) তোমার জীবনে শিক্ষক-শিক্ষিকাদের ভূমিকা।

খ) পরের বছর তুমি মাধ্যমিক পরীক্ষা দেবে। একজন মাধ্যমিক পরীক্ষার্থী হিসেবে তোমার পরিকল্পনা।

গ) তোমার প্রিয় ব্যক্তি/গুরুজন/মনীষী।

[যে সব প্রশ্ন-উত্তরগুলো ক্লাসে দেওয়া হয়েছে, সেগুলি হোম ওয়ার্ক কপিতে সুন্দর করে লিখে আনবে।]

G. AI

Answer the following question on the copy:

1. How is Artificial General intelligence different from Artificial Super Intelligence?
2. Give ant three important applications of AI in real life.
3. How AI can be lead to Unemployment?
4. What are the issues and concerns related to AI?
5. What is the impact of AI in social media?
6. What are the 17 sustainable development goals? Write few sentences for each one.

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