

Name: _____ Roll No. _____

Class In charges: Ms. Urvashi Mishra & Mr. Omjee Dixit

English

1. Make a pen portrait of any of your grandparents in form of poem or a story. (Chapter 'The Portrait of a lady')
2. After going through the poem 'A Photograph' why is the sea referred as transient. You can relate it to different types of tides occurred from the sea.

Biology

1. Prepare the given biology project as per the CBSE Guidelines (Students are supposed to make a investigatory project of one of the given topic min. 15 to 20 pages along with front page, certificate and acknowledgement.) on the topics "animals and plant physiology" or "new discoveries in the field of medicines, genetics or biotechnology".
2. Prepare 1 mark 20 questions from each chapter 16, 17, 18, 19 in your fair notebook.

Physics

1. Mukesh went to London to his uncle who is a doctor over there. He found that the currency is quite different from India. He could not understand the pound and how it is converted into rupees. He asked an English man that how far is central London from here.
He replied that it is about 20 miles. Mukesh was again confused as he never used these units in India. When his uncle came back from his clinic he curiously inquired all about it. His uncle told him about the unit system used in England. He explained that here F.P.S system is used.
It means distance is measured in the foot, Mass in the pound, and time in seconds. But in India, it is an MKS system.
 - (i) What values are depicted by Mukesh?
 - (ii) How many types of unit systems are there?
2. Two friends of class XI Mohan and Raghav were discussing the role of physics in society. Mohan Said to Raghav that physics does not have any impact on our society. Since he was a student of Arts Stream. But Mohan who is a science student explained that physics and Society are directly linked because whatever is discovered in physics, it immediately affects society.
The latest technology has played an important role in the fields of communication such as radios, computers, TVs, mobile phones and connects the people with each other. Nuclear energy has brought a profound change in the thinking and living style of human beings.
 - (i) Give some discoveries which have really affected society more.
 - (ii) Which values are displayed here by Mohan?
3. **Find the number of significant figures:**

(i) 300	(vii) 300.01
(ii) 300.00	(viii) 2.10×10^3
(iii) 0.010	(ix) 31.00
(iv) 2.4201	(x) 120
(v) 4.2×10^6	(xi) 130×10^4
(vi) 0.004200	

- 4. Rounding off the given digits to three significant digits:**
- | | |
|--------------|---------------|
| (i) 7.364 | (v) 9.4450 |
| (ii) 7.367 | (vi) 15.75 |
| (iii) 8.3251 | (vii) 15.7500 |
| (iv) 9.445 | |
- 5. Round to the appropriate number of significant digits**
- (A) $13.214 + 234.6 + 7.0350 + 6.38$
 (B) $1247 + 134.5 + 450 + 78$
- 6. Simplify and round to the appropriate number of significant digits**
- (A) $16.235 \times 0.217 \times 5$
 (B) 0.00435×4.6
- 7.** What is the difference between 4.0 & 4.000?
- 8.** Which of the distance measurements is most precise & why?
 (i) 500.0 m (ii) 0.0005 m (iii) 6.00 m
- 9.** Find the number of significant figures in the following results:
 (i) 2.924927×10^8 m/s (ii) 3.0120 s
- 10.** The mass of a body is 275.32 g & its volume is 36.61 cm³. Express its density up to appropriate significant figures.
- 11.** Convert 5.00 Km into meter up to appropriate significant figures.
- 12.** Radius of a wire is 2.50 mm. The length of the wire is 50.0 cm. If mass of wire was measured as 25 g, then find the density of wire in correct significant figures. [Given, $\pi = 3.14$, exact]

Chemistry

Prepare the given Chemistry project as per the CBSE guidelines (**Students are supposed to make an investigatory project of one of the given topic min. 15 to 20 pages along with front page, certificate and acknowledgement.**) as discussed in the class.

- Checking the bacterial contamination in drinking water by testing sulphide ion
- Study of the methods of purification of water
- Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).
- Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it
- Study the acidity of different samples of tea leaves.
- Determination of the rate of evaporation of different liquids Study the effect of acids and bases on the tensile strength of fibers.
- Study of acidity of fruit and vegetable juices.

Political Science

1. Make any one project related to your political science book recommended by CBSE. as UNO, Importance of Constitution, Importance of Rights, Violence against women etc.
2. Write four function of Constitution.
3. Write Provision on chart paper adopted from Constitution of Foreign Countries.
4. Politics is more than Politicians do you agree on this statement?

Sociology

1. Prepare a rough draft on any one of the following topics. The rough draft should have complete and detailed information along with the critical analysis of the topics.
some suggested topics for project work are:
 - (1) Sociology and Society
 - (2) Relationships between Sociology and other social science
 - (3) Role of Family in Society
 - (4) Marriage
 - (5) Social Groups
2. Find out how work is organised in a traditional village, a factory and a call centre.
3. find out how historians have written about the history of art, of cricket, of clothes and fashion, of architecture and housing style.
4. Find out where in India did ancestor of the community of Santhal workers who have been working in the tea plantation in Assam come from.
When was tea cultivation is started in Assam?
Did the British drink tea before colonialism.?

History

Make a project file on the following Suggested Topics

Suggested Topics

- 1) Facets of the Industrialization in sixteenth- eighteenth centuries.
- 2) Crusades: causes; rationale; events; outcomes; Holy Alliance
- 3) Ancient History in depth: Mesopotamia
- 4) Greek Philosophy and City States
- 5) Contributions of Roman Civilization
- 6) The spirit of Renaissance: Manifestation in art; Literature; Sculpture; Influence on Trading Community; Social Fabric; Philosophy; Political Values; Rational Thinking; Existentialism
- 7) Aspects of Development -South American States /Central American States
- 8) Different schools of thoughts- Realism: Humanism: Romanticism
- 9) Piecing together the past of Genghis Khan
- 10) Myriad Realms of Slavery in ancient, medieval, and modern world
- 11) History of Aborigines – America /Australia
- 12) Facets of Modernization – China /Japan/Korea

Guidelines for History Project Work-

Steps involved in the conduct of the project: Students may work upon the following lines as a suggested flow chart:

- » Choose a Title/Topic
- » Need of the Study, Objective of the Study
- » Hypothesis
- » Content -Timeline, Maps, Mind maps, Pictures, etc.
- » Organization of Material/Data
- » Present Material/Data
- » Analysing the Material/Data for Conclusion
- » Draw the Relevant Conclusion
- » Bibliography

Computer Science

A. Do the number conversation as per the instructions:

- i) $(45)_{10} = (?)_2$
- ii) $(76)_{10} = (?)_2$
- iii) $(110100)_2 = (?)_{10}$
- iv) $(1111111)_2 = (?)_{10}$
- v) $(126)_{10} = (?)_8$
- vi) $(234)_{10} = (?)_8$
- vii) $(745)_8 = (?)_2$
- viii) $(37)_8 = (?)_2$
- ix) $(9AB7)_{16} = (?)_2$
- x) $(145)_{16} = (?)_2$

Economics

Make all forms of diagrammatic representation of statistics on punch paper and compile it in your file.

Business studies

Make a chart of the following in a scrap book.

- (a) 15 popular Co-operative Societies in India with its details.
- (b) Write an article on any current corporate issue

Accountancy

Imagine any business unit, choose its name, prepare two sample vouchers, debit note, credit note, cash memo, invoice and paste in your notes register.

Physical Education

Project file

- 1. Write down the 5 most popular sports in Asia.
- 2. Write down the top 5 Sports in the world & pasted colour full picture.

Copy Homework

- 1. Write down in full details for the Khelo India Programme.
- 2. Draw a chart in full details about Modern Olympics.

Entrepreneurship

Do any one of the following -

- 1. Write process of an entrepreneur with the help of flow chart on a chart paper and explain each process.
- 2. Make a pyramid of Maslow's hierarchy theory on a chart paper and explain each psychological need.

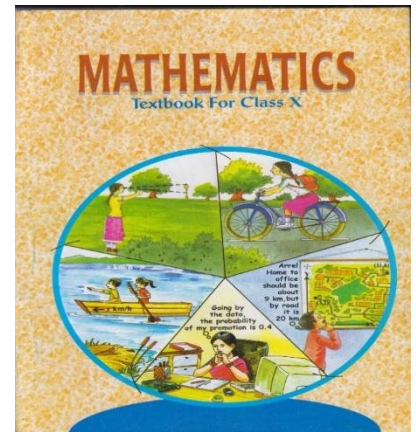
Mathematics

1. Books are always best friends.

NMB : Hello Friend, I am class X NCERT Mathematics Book(NMB). I am missing all my friends.

Class XI Maths Teacher : What Happened Why your face is looking dull !

NMB: As soon as they got information that they all can be promoted to class XI, Ashi, Samar and Suryansh has introduced me to my new friends as they made some new friends. Yuvraj, Amisha, Harshit, Pransi and Ankit has kept me on a shelf. They are neither talking to me nor looking at me. However I told them to make new friends but they left me alone.



Class XI Maths Teacher: Okay , I can understand . Let me do something, so that they will meet you and they will talk to you.

As you all studied NCERT Class X Mathematics Book.

At the starting of every chapter, there is something written about a Mathematician.

Go through the book once again, make a presentation (scrap book / file / Power point / canva / Slide show or anyone of your choice) about the mathematician given at the beginning of every chapter in class X Mathematics Book (NCERT).

(Hint: paste picture, write their life span, their contributions etc.)

- B. Draw any one article of your choice and fill it with mathematics creatively, you may write any formula or formulas or solve any equation or equations as shown. (Do not draw same)

Instructions:

1. Kindly Write the formulas clearly, so that its readable.
2. You may use A3 or A4 size paper, colour pencils, sketch pen etc of your choice.

