

HOLIDAY HOME WORK
CLASS X

ENGLISH

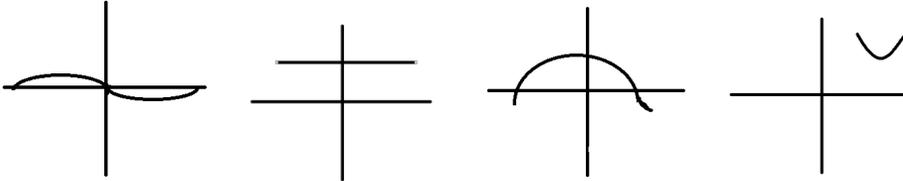
1. Prepare for review exam.
2. Read chapters 1 to 13 of The Story of My Life and attempt three long questions based on the characters and incidents .
3. Do exercises 1,2,5,6,7 on page 79,80 and 82 from integrated practice test no.2 and exercises 4,5,6 on pages 113 and 114 in the workbook.

HINDI

- नेताजी सुभाषचन्द्र बोस -व्यक्तित्व एवं कृतित्व परियोजना कार्य पूरा करें।

MATHS:

1. If α and β are the zeros of the polynomial $2x^2-7x-6$, find the value s of
 - a. $\alpha/\beta + \beta/\alpha$
 - b. $\alpha^{-1} + \beta^{-1}$
2. State and prove Euclid's Division Lemma.
3. Find the no. of zero of P(x) in each case:



4. Find a quadratic polynomial where zeros are $2 + \sqrt{3}$, $2 - \sqrt{3}$.
5. Find whether the following are terminating or non-terminating:
 - a. $\frac{9}{3^4 \times 5 \times 2}$
 - b. $\frac{39}{3 \times 13 \times 2}$
 - c. $\frac{455}{13 \times 7 \times 2}$
 - d. $\frac{81}{405 \times 2}$
6. Prove that $7-2\sqrt{3}$ is an irrational number.
7. Find all other zeros of the polynomial $x^4-8x^3+23x^2-28x+12$, if its 2 zeros are 1 and 2.
8. Verify that 3, -1, -1/3 are the zeros of the cubic polynomial $p(x)=3x^3-5x^2-11x-3$ and then verify the relationship between the zeros and the coefficients.
9. Examine whether $(7)^n$ can end with the digit 0 for and $n \in \mathbb{N}$.
10. Three measuring rods are 64cm, 80 cm and 96 cm in length. Find the least length of cloth that can be measured exact number of times using anyone of the above rods.
11. Draw the graph of polynomial x^2-x-2 and find its no. of zeros.

PHYSICS:

(A) Read the chapter "SOURCES OF ENERGY" and answer the following :

1. Why is there a need to harness non-conventional sources of energy? Give two reasons.
2. Draw a schematic diagram of box-type solar cooker. Name three components of a solar cooker which are responsible for increasing the temperature inside it. Explain their functions.
3. List two advantages and disadvantages of using solar cooker for domestic purpose.
4. List two major environmental consequences of burning fossil fuels. Suggest two steps to minimize the pollution caused by burning of fossil fuels.
5. Name the process by which nuclear energy is generated in a nuclear reactor. Give an example of using nuclear energy in place of fossil fuels.
6. List two reasons why obtaining energy from nuclear fusion reaction is preferable to obtaining energy from nuclear fission reactions.

(B) Prepare synopsis of project.

CHEMISTRY:

1. Revise activities based on chemical reactions given in chapter one.
2. Complete all questions on page No 6, 10 and 13.
3. Revisit and complete answers of questions 4-20 given at the end of the chapter one.
4. With the help of pH paper identify the pH of substances at your place
5. Write any five acids bases and salts with their chemical formula and molecular mass.
6. Write one article in form of crossword puzzle, autobiography, story, experience, riddle, poem etc for school magazine on A4 size paper only.

BIOLOGY:

1. Prepare an action plan for working out on your project topic.
2. Name at least three common disorders related to the summer season. Write the cause , symptoms, and prevention of any one of them.
3. Prepare for your review exam.

HISTORY

1. Complete your Project File. File submission is in 1st week of July.
2. Write an article for School Magazine. It should be original. Topic could be related to self expression on different social issues, or on National and international issues.
3. Prepare Chapters: Power Sharing and Nationalism in Indo China for the Review exam.

GEOGRAPHY:

1. Do a survey in your colony/village to investigate people's attitude towards recycling of domestic / agricultural wastes. Ask them questions about –

- (a) What do they think about resources they use?
- (b) What is their opinion about the wastes and its utilization?
- (c) Write a brief paragraph about your results.

2. Talk to three different people in your locality about the development of your region. Ask them all the questions that come to your mind. Prepare a brief report about the ideas that you agree or do not agree with.

3. For your Project Work related to the lesson 'MONEY And CREDIT' in Economics, visit any nearby bank with your parents and observe that –

- How people open their account in the bank? What documents are required to open an account in the bank?
- How do people deposit and withdraw their money?
- Are there some other ways for money transaction other than cash?

Write down all your observations in your Project File.

ICT: 1. Write a program to create HTML table with the following output :

Name	Maths	Science	English	Physics	General Knowledge
David	85	87	88	92	88
Richard	91	81	78	71	74
John	81	86	88	84	92
Tony	84	86	87	82	81
Scott	71	79	82	88	89

2. Write a program to create HTML table with the following output :

Name	Maths	Science	English	Physics	General Knowledge
David	85	87	88	92	88
Richard	91	81	78	71	74
John	81	86	88	84	92
Tony	84	86	87	82	81
Scott	71	79	82	88	89

3. Write a program to create HTML table with the following output :

1	2	3
4		6
7	8	9

4. Write a program to create HTML table with the following output :

Publication House	Books
ABC	Ele. Maths
	Ele. Sanskrit
BPB	O Level
	A Level
Dhanpat Rai	Computer Sc XI
	Computer Sc XI

5. Write HTML tags to divide window in the same way as output (using frameset):

FINE ART:

1. Make two Thank you card without any matter .
2. Complete first class assignment with colour.