

## Class 9 Holiday Homework

### 1. Commerce:-

- 1..Complete the project work discussed in the class.
2. Learn the question and answers of chapter 5 and 6.

### 2. Geography

1. Make a project on the topic 'Pollution' in a practical copy.

### 3. Chemistry

- 1) Write and learn symbol and valency of ions and radicals
- 2) Make 20 formulas each day by using radicals
- 3) Practice balance chemical equation from ch-1 by hit and trial method
- 4) Write and learn definition of ch 1 to 4
- 5) Write and learn observation of Chemical reactions of ch- 2 & 3

### 4. Biology

- 1) Write and learn the definition of ch 2,3,4,5,6,7,8 &9
- 2) Practice diagram of Page number -60,81,82,83 in biology note book.
- 3) Write the difference between the following
  - i) Entomophily &Anemophily,
  - ii)Protandry &Protogyny
  - iii) Glycolysis & Krebs cycle
- 4) Explain about fertilisation events in a flowering plant with well labelled diagram.

### 5. Mathematics\*

Solve \*chapter test\* from the following chapters:

- a) Rational & Irrational Numbers
- b) Compound Interest
- c) Expansions
- d) Factorisation

### 6. PHYSICS

1. Solve all numericals from the following chapters.
  - (i) Measurement and experimentation
  - (ii) Describing motion
  - (iii) Graphical analysis of motion
2. Write questions and answers of chapter 2 and 3

### 7. English Language

Do Q. 4 from the Test Papers 1 to 5 in your practice notebook.

### 8. History/Civics

Project work on the industrial revolution .

### 9. Hindi

हिंदी व्याकरण

सूची संख्या 5 तक पूरा करें |

### 10. English Literature

- 1) Julius Caesar workbook - Do exercises related to Act I, Scene I.
- 2) Prose workbook - Do exercises related to Bonku Babu's Friend.
- 3) Poetry workbook - Do exercises related to A Work of Artifice.

### 11. Economics -

1 . Write the question and answers ( long and short) of chapter 1,2 and 3 in your rough copy and learn them.

## 12. **Computer Applications**

Q.(1) Write a program to input three numbers and display the smallest number.

Q.(2) Write a program to input the cost price and selling price and calculate profit or loss.

Q.(3) Write a program to input a number and check whether it is divisible by both 5 and 11.

Q.(4) Write a program to calculate the square and cube of a number.

Q.(5) Write a program to input a number and check whether it is EVEN or ODD.

Q.(6) Write a program to check whether a number is a 3-digit number or not.

Q.(7) Write a program to input age and classify/display as:

Child: Below 13 years

Teenager: 13 - 19 years

Adult: Above 20 years

Q.(8) Write a program to input two angles and check whether they are complementary angles or not.

Q.(9) Write a program to display the corresponding weekday for numbers 1-7.

Q.(10) Write a program to check whether a number is divisible by 7 or not.

Q.(11) Write a program to input a number and check whether it lies between 100 and 500.

Q.(12) Write a program to input two angles and check whether they are supplementary angles or not.

Q.13 Write a program to calculate and display the hypotenuse of a right angle triangle by taking perpendicular and base as inputs.