

SYLLABUS HALF YEARLY EXAMINATION

CLASS XII SCIENCE

SUBJECT: ENGLISH

- Flamingo: Chapter 1, 2, 3, 4, 5
- Vistas: Chapter 1, 2, 3, 4, 5
- Poems: Chapter 1, 2, 3, 4
- Writing Skills: Advertisement, Notice, Invitation and Replies, Letter writing, Article, Debate Report, Speech
- Activity section-
 1. Poster making
 2. 50 word biography writing (Indian personalities).
 3. Describing Indian monuments in 50 words

SUBJECT: MATHEMATICS N.C.E.R.T.

- Chapter 5, 6, 7, 8, 9,10, 11
- Activity-
 - To find analytically the limit of a function $f(x)$ at $x=c$ and also to check the continuity of the function at the point.
 - To understand the concepts of decreasing and increasing functions.
 - To verify that angle in a semi-circle is a right angle, using vector method.
 - To understand the concept of local minima, local maxima and point of inflexion.

- To find the area of quadrant of circle with 1 unit radius whose center is (0,0) in the interval(0,1).

SUBJECT: PHYSICS N.C.E.R.T.

- Chapter 1, 2, 3, 4,5, 6, 7, 8
- Practical-
 - Ohm's law
 - Metre bridge
 - a) Specific resistance
 - b) Series and parallel comb

SUBJECT: CHEMISTRY N.C.E.R.T.

- Chapter 1, 2, 3, 4, 5, 7, 8, 9
- Practical-
 1. Titration of KMnO_4 vs mohr's salt.
 2. Titration of KMnO_4 vs oxalic acid.
 3. Salt analysis
 - Ammonium chloride
 - Lead acetate
 - Aluminium sulphate

SUBJECT: BIOLOGY N.C.E.R.T.

- Chapter 2, 3, 4,8,11, 12, 13, 15
- Practical-
 - Flowers adapted to pollination by different agencies
 - Study of T.S of blastula
 - Study of T.S of testis and T.S of ovary.

- Common disease causing microorganisms
- Meiosis in onion bud cell
- Two animals and plants found in xeric conditions
- Two animals and plant found in aquatic conditions

SUBJECT: COMPUTER SCIENCE

➤ Chapter 1, 2, 3, 4, 5, 6

➤ Practical-

Program-1 Write a program to count the Number of characters in a string.

Program-2 Write a program to calculate the length of string without using len().

Program-3 Write a program to find the maximum and minimum no from a list

Program-4 Write a program to calculate the mean of a given list of integers

Program-5 Write a program to append a list into the second list.

Program-6 Write a program a function which accepts an integer as an argument and the function should display the given integer is prime or not

Program-7 Write a program to count the number of uppercase characters present in a text file

Program-8 Write a program that appends the contents of one file to another. Have the program takes the filenames from the objects.

Program-9 Write a function that search the element in a given list and displays its execution time

Program-10 Write a function to sort the element using bubble sort and calculate its execution time.