



**ST.MONTFORT SCHOOL**  
**SUMMER HOLIDAY ASSIGNMENT (2022-23)**  
**CLASS-10**

**ENGLISH**

1. KINDLY READ ALL THE 10 CHAPTERS OF YOUR SUPP READER ( Foot prints without feet)  
And write the question answers of the first five chapters in the class work copy.
2. Choose any 5 new words pertaining to each of the 26 alphabets(a to z) from both the English books and write their meanings in the class work copy.
3. Write Diary Entry for any five days of summer vacations expressing your feelings for the time spent with your family, experience of any outings ,arrival of any guests ...etc in 80 to 100 words each in the class work copy.

**HINDI**

प्रश्न-1- निम्नलिखित विषयों पर संदेश लेखन तैयार कीजिए -

क-मित्रता दिवस के अवसर पर अपने मित्र को लगभग 60 शब्दों में संदेश लिखिए ।

ख-छोटे भाई को जन्मदिन पर बधाई संदेश लिखें ।

ग-पर्यावरण दिवस पर 60 शब्दों में शुभकामना संदेश लिखिए ।

घ-बाल दिवस पर 60 शब्दों में शुभकामना संदेश लिखिए ।

ङ-दीपावली की शुभकामनाएं देते हुए अपने दादा- दादीजी को लगभग 60 शब्दों में संदेश लिखिए ।

प्रश्न-2--नेताजी सुभाष चंद्र बोस का रेखाचित्र (स्केच )बनाते हुए उनका स्वतंत्रता संग्राम में योगदान विषय पर परियोजना कार्य (प्रोजेक्ट) तैयार कीजिए । परियोजना कार्य हेतु A4 साइज शीट तथा फाइल का प्रयोग करें ।

प्रश्न-3--निम्नलिखित संकेत बिंदुओं के आधार पर दिए गए विषयों पर अनुच्छेद लिखिए --

क-आज की आवश्यकता -संयुक्त परिवार

संकेत बिंदु .....

- \*एकल परिवार का बढ़ता चलन
- \*एकल परिवार और वर्तमान समाज
- \*संयुक्त परिवार की आवश्यकता
- \*बुजुर्गों की देखभाल
- \*एकाकीपन को जगह नहीं

ख-बच्चों की शिक्षा में माता- पिता की भूमिका संकेत बिंदु.....

- \*शिक्षा और माता-पिता
- \*शिक्षा की महत्ता
- \*उत्तरदायित्व
- \*शिक्षा विहीन नर पशु समान

- \*\*सारा कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा ।
- \*\*कार्य आकर्षक ,सृजनात्मक और प्रस्तुति योग्य होना चाहिए ।
- \*\*प्रश्न संख्या 1 तथा 3 को हिंदी कॉपी में लिखें ।
- \*\*इनके अंक परीक्षा में जोड़े जाएंगे ।



- 1 . Find the zeros of the polynomial  $3x^2 + 4x - 4$  and verify the relationship between the zeros and the coefficients of the polynomial.
2. If the sum of the zeros of polynomial  $F(x) = kx^2 + 2x + 3k$  is equal to their product, then find k.
3. If the remainder on division of  $x^3 + 2x^2 + kx + 3$  by  $x - 1$  is 21, find the quotient and the value of k.
4. Given that  $\sqrt{3}$  is a zero of the polynomial  $x^3 + x^2 - 3x - 3$ , find the other two zeros.
5. Find all the zeros of the polynomial  $(2x^4 - 9x^3 + 5x^2 + 3x - 1)$  if two of its zeros are  $(2 + \sqrt{3})$  and  $(2 - \sqrt{3})$ .
6. If one root of the polynomial  $x^2 + 5x + k$  is reciprocal of the other, find the value of k.
7. If  $\alpha$  and  $\beta$  are the zeros of  $3x^2 - 5x - 2$ , then evaluate  $\alpha^2 + \beta^2$ .
8. What must be subtracted from  $p(x) = 8x^4 + 14x^3 - 2x^2 + 7x - 8$  so that the resulting polynomial is exactly divisible by  $g(x) = 4x^2 + 3x - 2$  ?
9. Find the quadratic polynomial whose zeros are -3 and 4.
10. If one root of the zeros of the quadratic polynomial  $(k+2)x^2 + kx + 4$  is (-4), then find the value of k.

## 11. Activity:

Draw the graph of a quadratic polynomial. a cubic polynomial and find its number of zeroes.

Note: Do the questions in your CW copy, the activity has to be done in A4 size paper and graphsheet.

### **SCIENCE**

**Children make separate practical files for Physics, Biology and Chemistry and write these practicals from (Science Lab Manual) in them.**

**Complete the following work and submit it in June**

#### BIOLOGY

1) Preparing a temporary mount of a leaf peel to show stomata.

#### PHYSICS

1) Determination of the focal length of

i) Concave mirror

ii) Convex lens

by obtaining the image of a distant object.

2) Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

3) Tracing the path of the rays of light through a glass prism.

#### CHEMISTRY

1) To perform and observe the following reactions and classify them into

A. Combination reaction

B. Decomposition reaction

C. Displacement reaction

D. Double displacement reaction

(i) Action of water on quick lime

(ii) Action of heat on ferrous sulphate crystals

(iii) Iron nails kept in copper sulphate solution

(iv) Reaction between sodium sulphate and barium chloride solution.

### **SOCIAL STUDIES**

1. Project work on the following topics:

X A- Consumer Rights

- X B- Social Issues
- X C- Sustainable Development
- X D- Sustainable Development
- X E- Change in employment trends during Covid 19

- 2. Map Work
  - a) Geography
    - Major soil types
    - Dams
    - Agriculture
  - b) History
    - Indian National Congress Sessions
    - Important Centres of Indian National Movement

**INFORMATION TECHNOLOGY**

**Write the answers to the following questions, starting from a fresh page in your IT copy, after the last Question-Answer. (we will continue rest of the Ques-Ans in June after Holiday H.W.)**

**Q.1. Write 5 examples of each type of feedback in communication – positive, negative, no feedback, formal, informal, formative, summative, descriptive/non-specific, prescriptive/specific feedback.**

**Q.2. Write 3 examples of each part of speech – Noun, pronoun, verb, adjective, adverb, interjection, conjunction, preposition, articles.**

**Q.3. Mention 2 examples of each type of communication – verbal, non-verbal, visual, writing**

**Q.4. Write a role-play script between a hotel staff and a guest where the guest complains about unavailability of room service and the hotel staff handles it politely.**

\*\*\*\*\*