Summer Holiday Home Work
2019-20
CLASS IX

English

PROJECT WORK :   **Prepare a Booklet comprising different Writing Skills:**

1.**DIARY ENTRY**   : 1. Suppose you are EvelinGlennie and had lot of interest in Music. So much   difficulties you had to undergo to be a successful musician. But finally you have achieved your goal. Write a **Diary Entry** expressing your feelings and how you have succeeded,in about 200 words.

2. Last year During Christmas from your school you got an opportunity to visit an orphanage where, almost 50 underprivileged children stay. Though they go to school they are deprived of the parental care and love. You have distributed some money, clothes and also some food items. You felt sorry, at the same time happy to visit them. Write a **Diary Entry** expressing your feelings in about 200 words.

2. **Letter to the Editor**   : 1. Write a letter to the National Daily ,expressing your opinion and views on the increased human dependence on Technology. Right from a small child to an adult, or an even old man/woman wants gadgets only cell-phone, I- pod, Laptop etc.., this also has a negative effect on Social relationships. Write a the Letter in 120 words. you are Rani/ Rajan of D P S Nagpur.

3. **Story**   :   On that day, Praveen/ preeti was alone at home and was watching his favourite TV programme when suddenly   ---------,   complete the story in about 120 -150 words.

Social Science

History- Prepare a magazine on French Revolution to show sign and symbols and history of France.

Civics- write the answers of assigned questions of chapter 1.

Geography- prepare a project on physical features of India.

Economic- 1. project on collecting information on Jharkhands irrigation and crop cultivation.

2. Impact of Green Revolution to the country and to Jharkhand state. (questions)

Hindi

1. आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों को संग्रह कीजिए एवं संक्षिप्त जानकारी प्राप्त करके लिखिए।
        पण पी.टी.उषा
        पपण आरती साहा
        पपपण किरन बेदी

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2. रामधारी सिंह दिनकर का लेख 'हिम्मत और जिंदगी' का संक्षिप्त लेख लिखिए।
3. 'मन के हारे हार है, मन के जीते जीत' इस विषय पर अनुच्छेद लिखिए।

Computer

Topic	Lesson/Page-No	Question Number	Project/Assignment
UNIT-1 Session-1 Session-2 Session-3 Session-4	Session1,2,3,4	Complete Unsolved Exercise in Computer Notebook of all the completed sessions from UNIT 1	Effective Communication Process.

Maths

A) Solve

Question 1 (2 marks)

The polynomials $P(t) = 4t^3 - st^2 + 7$ and $Q(t) = t^2 + st + 8$ leave the same remainder when divided by $(t - 1)$. Find the value of s.

Question 2 (2.0 marks)

Find the value of k for which the cubic polynomial $3y^3 - 3/2y^2 + ky + 5$ is exactly divisible by y-1/2.

Question 3 (2.0 marks)

Verify whether the indicated numbers are zeroes of their corresponding polynomials.

(a) $Q(s) = -4s^3 + 7s^2 - 24$; $s = -4$ and 1   1 marks

(b) $P(x) = 8x^2 + 4x - 4$; x=1/2 and -1.   1 marks

Question 4 (2.0 marks)

If $x = -2$ is a root of the polynomial $P(x) = -2x^4 - 7x^3 - 3x^2 - tx - 10$, then find the value of t.

Question 5 (3.0 marks)

State whether the following statements are true or false. Give reasons to justify your answers.

(a) The degree of polynomial $-5x^5 - 6x^4 - 8x^2$ is 4.   1 marks

Question 6 (3.0 marks)

Using the long division method, determine the remainder when the polynomial $4x^5 + 2x^4 - x^3 + 4x^2 - 7$ is divided by $(x - 1)$.

Question 7 (3.0 marks)

Evaluate the following products using algebraic identities.

(a) 993^3

(b) 1002^3

Question 8 (4.0 marks)

If x+1/x =8 then find the value of x^3+1/x^3

Question 9 (3.0 marks)

Using a suitable identity, determine the value of A) $(17)^3 + (-12)^3 + (-5)^3$ and B) $64m^3-343n^3$

Question 10 (6.0 marks)

Factorise:

A) $2y^3 - 4y^2 - 2y + 4$

B) $2x^2 + 7x + 3$

C) $x^3 + 13x^2 + 32x + 20$

B) solve each and every questions of chapter 6 and examples also in A4 white sheet .

C) solve and revise each question of chapter 2 and examples in jista paper.

D) learn and write square of 1 to 25 and cube of 1 to 10 in A4 white sheet.

E) write and learn all formula of chapter 2 and property of chapter 6 in A4 white sheet.

Chemistry

1. Make a project on different state of matter
2. What is evaporation? Name the factors which affect it?
3. Compare the properties of solid liquid and gas?
4. Show an activity for the particles of matter have space between them?

Biology

1. Practice the diagrams of Water-cycle in nature, Nitrogen-cycle ,Carbon cycle and the Oxygen cycle.
2. Read the chapter-14 and 5 thoroughly.
3. Write the functions of cell organelles of chapter-5.
4. Learn the class work.

   PROJECT
1. Draw Plant cell and Animal cell.