



SACRED HEART SCHOOL

Jhumri Telaiya, Koderma

ASSIGNMENTS FOR SUMMER VACATION (2024-25)

CLASS- XI

SUBJECT- HINDI

प्रेमचंद की कहानी बूढ़ी काकी पढ़ें और कहानी के उद्देश्य और संदेशों को अपने शब्दों में लिखें। A4 आकार के कागज पर प्रेमचंद का चित्र बनाएं (Portrait)

SUBJECT- ENGLISH

Project work

Note:- The Project may include the following -

- cover page, with title of project, school details of the student
- Acknowledgement
- certificate of completion
- content:-

i) Introduction ii) procedure iii) output of the project:- a story/ a report/ an interview/ a letter/ autobiography/ travelogue/ poetry/ article etc.... Paste relevant pictures iv) conclusion v) bibliography

* The project must be handwritten

TOPIC: A PHOTOGRAPH

- Write the poem in your file.
- Write the summary of the poem.
- Mention the poetic devices used in the poem by the poet. Mention them with examples from the poem
- Mention the rhyme schemes used by the poet in the poem.
- Mention the PHASES OF LIFE suggested by the poet. Paste pics.
- Write about the poet - SHIRLEY TOULSON- her life, career, books/ poems that she has written.
- Paste pics in support of the poem.
- What do you think is a photograph? Why do we preserve photographs?
- Do Photography affect you? How?
- What do you say about the poem? Write your views about the poem.
- Write some exclusive quotations on the topic "PHOTOGRAPHS".
- Write a song or a poem in English which is dedicated on the topic "PHOTOGRAPH".

SUBJECT-CHEMISTRY

Topic - Discuss the acidic strength of various samples of fruit and vegetables.

SUBJECT- BIOLOGY

- Write a short biography about famous scientist, Carolus Linnaeus as father of taxonomy & binomial nomenclature in 500 words.
- Illustrate the taxonomical hierarchy with suitable examples of a plant and an animal.
- Write briefly about TMV and Bacteriophage with suitable labelled diagram.

SUBJECT- PHYSICS

- Write the all the dimensional formula from NCERT book and learn it.

SUBJECT- MATHEMATICS

- List all the elements of the following set
 - $A = \{x: x \text{ is an integer, } -\frac{1}{2} < x < \frac{9}{2}\}$
 - $B = \{x: x \text{ is a natural number less than } 6\}$
- Write the given set in builder form $\{1, 4, 9, \dots, 100\}$
- Write the following intervals in set builder form
 - $(-3, 0)$
 - $(6, 12)$
- Write union and intersection of
 - $X = \{1, 3, 5\}, Y = \{1, 2, 3\}$

- (b) $A = \{a, e, l, o, u\}$, $B = \{a, b, c\}$
5. If R is set of real numbers and Q is the set of rational numbers then what is $R - Q$.
 6. If $A = \{1, 2, 3, 4\}$ then write $(A^1)^1$
 7. Draw appropriate venn diagram, for each of the following:
 (a) $(A \cup B)'$ (b) $A' \cup B'$ (c) $(A \cap B)'$ (d) $A' \cap B'$
 8. If $A = \{-1, 1\}$ then find $A \times A \times A$
 9. If $G = \{7, 8\}$, $H = \{5, 4, 2\}$, then find $G \times H$ and $H \times G$
 10. Draw the graph of :
 (a) $f(x) = [x]$ where $[]$ is greatest integer function.
 (b) $f(x) = |x|$
 11. Write two example of a relations which is also a function and two examples of relations which is not a function.
 12. Write Domain and Range of –
 (a) $f(x) = -|x|$ (b) $f(x) = \sqrt{9 - x^2}$

SUBJECT-COMPUTER SCIENCE

Prepare 15 slides on ARTIFICIAL INTELLIGENCE, submit the same in stick file .

Draw mobile system organization on chart sheet and explain it (colorful).

SUBJECT- PHYSICAL EDUCATION

Sub-PHE(Holiday Home work)PRACTICAL RECORD FILE

01. Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)*
02. Proficiency in Games and Sports
(Skill of any one IOA recognised Sport/Game of Choice)**
03. Yogic Practices
04. Record File *
05. Viva Voce (Health/ Games & Sports/ Yoga)

* Test for CWSN (any 4 items out of 27 items. One item from each component: Aerobic Function, Body Composition, Muscular strength & Endurance, Range of Motion or Flexibility)

**CWSN (Children With Special Needs - Divyang): Bocce/Boccia, Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/ Game of choice.

**Children With Special Needs can also opt any one Sport/Game from the list as alternative to Yogic Practices. However, the Sport/Game must be different from Test -Proficiency in Games and Sports'

***Record File shall include:

Practical-1: Fitness tests administration. (SAI Khelo India Test)

► Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.

Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.