

SRK DAV PUBLIC SCHOOL, SURIYA, GIRIDIH
CLASS-XI_SCIENCE
SUMMER VACATION HOLIDAY(HOME WORK)

ENGLISH:

1. Make a poster on 'Cleanliness of your surrounding areas'.
2. Write a speech to be delivered on 'Importance of discipline' in the Morning Assembly which is the need of the hour for students. Suggest some ways to make the children disciplined in their life.
3. Write a debate for the motion or against the motion on 'Use of mobile by school children' Write it following the proper format of Debate.
4. Prepare the Chart of Tenses and Voice in your notebooks.

MATHS:

Q1:-

Let $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{1, 2, 3, 4\}$, $B = \{2, 4, 6, 10\}$ and $C = \{4, 8, 10\}$.

Find-

- (a) A'
- (b) B'
- (c) C'
- (d) $(A \cup C)'$
- (e) $(B - C)'$
- (f) $A' - C'$
- (g) $A' \cup C$
- (h) $(A \cup C) \cap C'$
- (i) $A \cap B \cap C$

Q2):-

$U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$ $A = \{2, 4, 6, 8\}$ and $B = \{2, 3, 5, 7\}$

Verify that

- (a) $(A \cap B)' = A' \cup B'$
- (b) $(A \cup B)' = A' \cap B'$

Q3):-

Draw Venn Diagram for each of the following-

- (a) $(A \cup B)'$
- (b) $A' \cap B'$
- (c) $(A \cap B)'$
- (d) $A' \cup B'$

CHEMISTRY:

Solve Numericals

1.Chapter- Basic concepts in chemistry

BIOLOGY:

1. Competency / Logical-Based Questions

a. A student writes the scientific name of man as homo Sapiens. Identify the mistake.

b. Why can two organisms look similar but belong to different species?

c. If scientific names were not used, what problems would arise?

d. A tiger in India and a tiger in another country belong to the same species. What does this show?

e. Why are local names insufficient for scientific study?

2. Activity: Scientific Name Collection

Collect scientific names of any 10 common plants or animals around you and write their:

Common name

Scientific name

Family

3. Draw and label:

Taxonomical hierarchy pyramid

PHYSICS:

1.Write all exercise questions of ncert chapter -1

2.Solve the questions of Trigonometry and Differentiation

PHYSICAL EDUCATION:

Q.1) what is physical education? Write three objectives.

Q.2) explain the career of physical education.

Q.3) explain three advance technology development in sports.

Q.4) discuss role of sensors in improving sports performance

Q.5) write down a brief note on khelo india programme.

Q.6.) write a short note on meditation.

Q.7.) define yoga in detail.

Q.8) yoga can be beneficial in the modern age of stress, tension and anxiety. give your views in brief about this statement.