Delhi Public School
JHANSI

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WORK PLAN FOR THE MONTH OF JANUARY & FEBRUARY- 2022
Class-XI

Dear Parents,
In this month, your child will be able to learn:

ENGLISH:
Reading
Factual and Descriptive unseen passage.
Creative writing
Official letters
Grammar
Reodering of sentences
Literature
Hornbill- 1-The voice of the Rain (poem)
1-The Ailing Planet (prose).
2.The Browning Version
3.Childhood
4.Silk Road
Snapshots - 1-Albert Einstein.
2.Birth
Learning Objective
Guiding and encouraging the children to follow Human values

MATHEMATICS:
Unit 1 : (Sets & Functions)

Chapter: 3
trigonometric functions

Learning objectives:

trigonometry skills allow students to work out complex angles and dimensions in relatively little time. Widely used in architecture, engineering and many sciences, trigonometry is one of the most valuable branches of mathematics.

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Unit 2 : Algebra

Chapter : 6
Linear Inequality

Learning objectives:

Inequalities are extremely useful in mathematics, especially when we deal with quantities that we do not know exactly what they equate too. ... Often, one can solve a mathematical problem, by estimating an answer, rather than writing down exactly what it is.

Chapter: 7
Permutations & combination

Learning objectives:

A permutation is used for the list of data (where the order of the data matters) and the combination is used for a group of data (where the order of data doesn't matter).very useful in finding probability also

Unit 4 :
Calculus

Chapter : 13
Derivatives

Learning objectives:

Differentiation helps to find the instantaneous rate of change of a function with respect to an independent variable, maximum & minimum value of a function, to analyse the behaviour of a function.
Unit 5:
Statistics & probability

Chapter : 16
Probability

Learning objectives:

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Objective probability refers to the chances or the odds that an event will occur based on the analysis of concrete measures rather than hunches or guesswork

Chemistry-

GOC

Learning objectives-

Student will be able to understand the distinction between organis and inorganic compoundsVital force theory,modern definition of organic comounds, Understand reasons for tetravalency of carbon and shapes o

Student will be able to Know various ways of representing structures of organic molecules.

Student will be able to classify the organic compounds; name the compounds according to IUPAC system of nomenclature and also derive their structures from the given names

Student will be able to understand the concept of organic reaction mechanism

Student will be able to explain the influence of electronic displacements on structure and reactivity of organic compounds

Student will be able to recognise the types of organic reactions

Hydrocarbon

Learning objectivos-

Student will be able to name hydrocarbons according to IUPAC system of nomenclature

Student will be able to recognise and write structures of isomers of alkanes, alkenes, alkynes and aromatic hydrocarbons

Student will be able to learn about various methods of preparation of hydrocarbons

Student will be able to distinguish between alkanes, alkenes, alkynes and aromatic hydrocarbons on the basis of physical and chemical properties and appreciate the role of hydrocarbons as sources of energy and for other industrial applications; predict the formation of the addition products of unsymmetrical alkenes and alkynes on the basis of electronic mechanism

Student will be able to draw and differentiate between various conformations of ethane

Student will be able to comprehend the structure of benzene, explain aromaticity and understand mechanism of electrophilic substitution reactions of benzene; predict the directive influence of substituents in monosubstituted benzene ringdent will be able to name hydrocarbons according to IUPAC system of nomenclature

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Equilibrium-

Learning objectivos-

Student will be able to learn about carcinogenicity and toxicity.

• Student will be able to identify dynamic nature of equilibrium involved in physical and chemical processes
• Student will be able toknow the law of equilibrium
•Student will be able to explain characteristics of equilibria involved in physical and chemical processes
• Student will be able to write expressions for equilibrium constants and
Establish a relationship between Kp and Kc

• Student will be able to explain various factors that affect the equilibrium state of a reaction
• Student will be able to classify substances as acids or bases according to Arrhenius, Bronsted-Lowry and Lewis concepts
•Student will be able to classify acids and bases as weak or strong in terms of their ionization constants
• Student will be able to explain the dependence of degree of ionization on concentration of the electrolyte and that of the common ion
• Student will be able to describe pH scale for representing hydrogen ion concentration

Physics-

Unit - 8th -Thermodynamics

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9th -Behaviour of perfect gas & kinetic t heo ry of gases
10th - Oscillations & Wa

Learning objectives-

Know about temperature , heat
Working of engine. Kinetic concept of gases. How to develop Pressure. Origin of waves .Calculation of speed of sound in solid, liquid & gas
es .

Physical education-

Chapter-4- physical education & sports for cwsn
Chapter-5- yoga
Chapter-6- Physical activity & leadership training.

Learning objectives-

Student will learn about sports and yoga.They will understand the importance of yoga and sports.

Biology-

Unit-v Human physiology
Chapter-17Breathing ans exchange od gases
Chapter-19Excretory products and elimination
Chapter-20Locomotion and movement
Chapter-21Neural control and coordination
Chapter-22Chemical control and coordination
Unit-IV
Chapter-13photosynthesis in higher plants
Chapter-14Respiration in
Plants
Chapter-15plants growth and developments
Unit-III Cell structure and functions
Chapter-10cell cycle and cell division

Learning objectives-

Student will understand the physiology of human body by diagram.
They will understand different types of system of human body.
They will understand different types of process in planta.
They will learn about cell division by diagram.

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Thank you
Mrs. Neelam Kushwaha
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