

PBRP ACADEMY

AN ENGLISH MEDIUM CO- EDUCATIONAL SCHOOL
Dibiyapur, Auraiya- 206244 (U.P.)



Summer Vacation Homework

FOR CLASS -11 SCIENCE



ENGLISH HOMEWORK

1. Write an article on the present scenario of country suffering from COVID-19 and how it is effecting our economy.
2. Write a letter to the editor of the newspaper highlighting the condition of daily wage earners due to lockdown.
3. Explain the following poetic devices giving example of each:
 - a) metaphor
 - b) simile
 - c) personification
 - d) alliteration
 - e) refrain

PHYSICS HOMEWORK

1. Write short note on the following:
 - a) Physics in relation to Maths.
 - b) Physics in relation to Society.
 - c) Fundamental forces:
 - i) Gravitational Force.
 - ii) Weak force.
 - iii) Electrostatic force.
 - iv) Strong force.
 - d) Law of conservation of energy.
2. Write detail history (Family background, Education, Awards and Research Work) of Vikram Sarabhai and Homi j. Bhabha the two great Physicist of India.

CHEMISTRY HOMEWORK

1. Make an investigatory project of “Study of acidity of fruits and vegetable juices.”
2. Answer the following questions from Chapter Basic Concepts:
 - Classify the following into elements, compounds and mixtures. Divide mixtures into homogeneous and heterogeneous:
 - a) Marble
 - b) Honey
 - c) Toothpaste
 - d) Sugar
 - e) Gold
 - f) Niter
 - g) Iodized Table Salt
 - h) Iron
 - i) Steel
 - j) Distilled Water
 - k) Slaked Lime
 - l) Oxygen
 - m) Gasoline
 - n) Silk and
 - o) Tap Water.
 - Classify following into metals and non-metals:
 - a) Helium
 - b) Sodium
 - c) Mercury
 - d) Graphite
 - e) Carbon
 - f) Silicon
 - g) Magnesium
 - h) Phosphorus
 - i) Arsenic and
 - j) Antimony
 - How will you separate the constituents present in the following mixtures:
 - a) Common Salt and Water
 - b) Iodine and Sand
 - c) Sugar and Sulphur
 - d) Kerosene and Water
 - e) Salt + Sand + Sulphur + Iron.
 - With the help of example justify each statement for different laws of chemical combination.
 - a) How many gram molecules are present in 4.9 g of H_2SO_4 ?
 - b) Calculate the mass of 0.72 molecules of CO_2 .

BIOLOGY HOMEWORK

1. Prepare a project Report on any one of the following topics:
 - a) 20 Medicinal Plants and their benefits
 - b) 20 Economically important plants
 - c) 20 Economically important insects
 - d) Effect of mobile radiations on Honey Bees
 - e) Structure of COVID-19 Corona Virus Malaria

MATHEMATICS HOMEWORK

1. Attempt all questions of first two exercises of Complex Numbers from NCERT.
2. Make a chart of all formulas of chapter Trigonometry and bring it when School reopens, learn all formulas.
3. Under the chapter 'Sequence and Series' topic Arithmetic Progression (AP), General terms and sum of n terms can be covered.
4. Learn and write Mean and Median formulas done in G-10.
5. Make a bar graph of Number of affected people of COVID-19 of different countries for the data as per on 20th April, 2020.
6. Oral test of trigonometry formulas shall be conducted when school reopen.

COMPUTER SCIENCE HOMEWORK

Chapter 1: Computer System and its organization:

1. Name the input/output device used to do the following:
 - a) To output audio
 - b) To enter textual data
 - c) To make hard copy of a text file
 - d) To display the data/information
 - e) To enter audio-based command
 - f) To build 3D models
 - g) To assist a visually impaired individual in entering data
2. Convert the following into bytes: 2 MB
 - a) 3.7 GB
 - b) 1.2 TB
3. Write down the type of memory needed to do the following:
 - a) To store data permanently
 - b) To execute the program
 - c) To store the instructions that cannot be overwritten.
4. What are the differences between ROM and RAM?
5. Name and explain different types of ROM.
6. What is the full form of CPU?
7. Define CPU and its different components.
8. Define the following memory units:
Bit, Byte, Nibble, KB, MB, GM, TB, PB, EB, ZP, YB.
9. Suppose there is a computer with ROM and RAM but no secondary storage device in it. Can we install software in this computer?
10. Can we run a computer if RAM or ROM is not present in it? Why / why not?

Note: The Homework has to be presented neatly and creatively in beautiful handwriting in loose sheets and it has to be deposited on day one when school reopens.



STOP CORONAVIRUS SPREAD

PREVENTION FROM COVID-19



WEAR MASK



WASH HANDS



USE HAND SANITIZER



**MAINTAIN
SOCIAL DISTANCE**

