

## Summer Holiday Homework

Session 2019-2020

Name: \_\_\_\_\_

S.No. : 1

Date: \_\_\_\_/ \_05\_\_\_\_/ \_2019

Class: XI-A1,A2

Subject: Physics

### class-XI (Physics)

#### Instruction-

#### Physics Assignment ( Holiday Homework)

##### Class –XI

#### 1) Revise the use of following mathematics formulas/ Skills

- (a) All trigonometric identities done upto class X.
- (b) Solving linear equations in one variable and two variables.
- (c) Plotting graphs by making tables (x & y)
- (d) Solving quadratic equations.
- (e) Basic ideas on heights and idstances, area and volume (mensurition)
- (f) Basic ideas on geometry:-

Centroid, orthocentre, incentre and circumcentre, circles, rectangles, square, Pythagoras theorem

#### 2) Use IX class science NCERT and solve end chapter excercises on following chapters:-

- (a) Describing motion
- (b) Laws of motion
- (c) Work power and energy
- (d) Gravitation

This assignment is going to help understand the fundamentals of Physics

**3. Make a collage / picture on a cartridge sheet of latest scientific research using your creativity and innovation.**

**4.) Investigatory Projects- Physics (2019-20) – To find a common problem faced by the society around you and try to solve it by your innovation**

.As per C.B.S.E. guidelines, all students have to prepare one Investigatory Project carrying 3 marks

. POINTERS FOR MAKING PROJECT REPORT

The material should be placed and bound in the following order:

**(i) Top Sheet of transparent plastic** -The top page of your report should carry the following information in printed form or handwritten in neat block letters:

Title of Project:

Name of Student:

Roll Number:

**Date of submission:**

**(ii). Aim of Project**

**(iii). Apparatus required**

**(iv). Principle/theory**

**(v). construction with labeled diagram,**

**(vi). Working**

**(vii). Observations**

**(viii). calculations,**

**(ix). Result/ Conclusions**

**(x). Applications,**

**(xi). Graphs if any,**

**(xii). References/bibliography**

**(xiii). Back cover of plastic: may be opaque or transparent**

**Note: Complete investigatory project and submit the same within one week after re opening of school i.e. by 7th of July.2019.**

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**Happy holidays dear students**