**P.G. Senior Secondary School**

**Holiday Assignment 2016-17**

**Class-XI**

**Science Group**

**English-**

1. Give the summary of the Novel ‘ The Canterville Ghost.’
2. The blood stain on the floor near the fireplace was not actually a bloodstain Elaborate.
3. Attempt a brief character sketch of the ghost of Sir Simon Canterville.

**Physics-**

1. Show that the slope of displacement-time graph is equal to velocity of uniform motion.
2. Derive three kinematic equations for uniformly accelerated motion graphically.
3. The relation between time ‘t’ and distance ‘x’ is t=∝x2+ßx, where ∝,ß are constants. What is retardation.
4. A car covers 2/5th of total distance with V1 speed and 3/5th distance with V2. What is the average speed.
5. A ballon ascends from rest on ground with a uniform acceleration of g/8 m/s2..When it is at hight ‘h’ from ground, a body is released from it calculate time taken by body to reach ground.
6. Learn the chapter ‘ Unit and Measurement’.

**Chemistry-**

1. Prepare a project report containing at least 10 pages related with environmental chemistry. The suggested topics are –

A. Green chemistry B. Acid rain C. Water pollution D. Air pollution E. Green house effect F. Waste management G. Strategies to control environmental pollution

h. Waste water recycling

1. Make a project on the following topics given below. At should include.

a. Principle b. Explanation c. Graphical data

d. Mathematical formulations e. Real life applications

1. Topics are-

a. Boyle’s law b. Charles’s law c. vapour pressure d. Viscosity

**Biology-**

1. Why are living organisms classified?

2. Define & understand the following terms-

i. Phylum ii. Class iii. Family iv. Order v. Genus

3. How are viroids different from viruses?

4. Explain briefly the following terms with suitable examples.

i. Protonema ii. Antheridium iii. Arche gonium

iv. Diplonatic v. Sporophyll vi. Isogamy

5. **Match the following (column I with Column II).**

**Column I Column II**

a. Chlamydomonas a. Mass

b. Cycas b. Pteridophyte

c.Selaginella c. Algae

d. Sphagenum d. Gymnosperm

**Maths-**

1. Derive and Learn all formula related to trigonometric function.
2. Solve any 10 question from chapter-1, 10 question from Chapter-2, relation and function, 10 question from Chapter-3 Trigonometric function and 10 questions from chapter-4 principle of Mature Matic induction

**Hindi-**

1. . vyadkj rFkk jl dk ifjHkk’kk mnkgj.k lfgr fy[kas RkFkk muds Hksnksa dk o.kZu djsaA
2. dof;=h ehjk dk lfp= thou ifjp; nsrs gq, mudh Hkk’kk “kSyh ij izdk”k Mkfy,A
3. nksgk] lksjBk] loS;k rFkk pkSikbZ dh ifjHkk’kk mnkgj.k lfgr fy[ksaA
4. vUrj Li’V djsaA

d& vkRedFkk rFkk thou esa

[k& dgkuh rFkk miU;kl esa