**SUMMER HOLIDAY ASSIGNMENT**

**SESSION : 2017-2018**

**CLASS : XI SUBJECT : Computer Science, Informatics Prac.**

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| **Sr.****No.** | **HOME WORK** | **ACTIVITY/PROJECT** |
| 1.2.3.4.5. | **Class XI**Describe following Terms : (For *CS* and *IP* students)1. RSS Feed
2. Cloud Computing
3. Quantum Computing
4. Nano technology
5. Bacterial computer
6. Web 2.0 Apps
7. Plasma TV/computer monitor
8. Ransomware from other viruses.

Security of Computer System : Threats and Prevention. (For *CS* and *IP* students)Visit following URL and submit your report onto this : **www.stroustrup.com**  (For *CS* students)Visit following URL and submit your report onto this : **http://en.wikipedia.org/wiki/Free\_software**  (For *IP* students)Conduct Survey and submit Report on **USE/MISUSE OF INTERNET** in daily life by the people. | * *Make separate copy for answers.*
* *Surf internet under the supervision of parents/guardian.*

Describe these terms with the help of suitable example covering : Picture/ Diagram/ PPTs etc.Explain each Threat and its Prevention and support this with a suitable example. Report should contain your view/opinion  and paste picture wherever required. |

Subject Teacher : Bharat Bhushan Mehta

**SESSION : 2017-2018**

**CLASS : XII SUBJECT : Computer Science, Informatics Prac.**

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| **Sr.****No.** | **HOME WORK** | **ACTIVITY/PROJECT** |
| 1.2.3.4. | **Class XII**Maintain RECORD FILE containing 20 programs in C++/Java NetBeans IDE in reference of Board Practical Exam. (For *CS* and *IP* students)Select TOPIC from daily life like Bill Generation System, Pay roll management system, etc. for the PROJECT WORK (FILE). (For *CS* and *IP* students)Solve Qn 1 and 2 for CBSE Board Question Paper from the year 2012 to 2016. (For *CS* students)Solve Qn 1, 2 and 3 for CBSE Board Question Paper from the year 2012 to 2016. (For *IP* students)**CASE STUDY :**Hind Development Bank offers to digitize its transaction from the software developers, in which Account No., Name, Address, Type of Account (Saving/Credit), initial balance and the rate of interest of a customer are read from the keyboard and these values are initialized using the constructor member function. The destructor is defined to destroy the class objects created using the constructor member function, this class **BANK** contains member functions e.g. DEPOSIT, WITHDRAW (min. bal == Rs. 500), COMPOUND, GETBALANCE, PUT\_VALUE, MENU. (For *CS* students)**CASE STUDY :**New Fashion Shop offers to digitize its transaction from the software developers, in which Customer code, Customer Name, and Qty require from customer based upon selection of material from combo box generation bill of the items purchased, consider table Product having PID, Pname, Material (Jeans/Cotton) and Price for each material. Establish database connectivity with front end. Screen shot is given in next column. e.g. if customers selected Shirt Item from Cotton material price may be Rs. 500/- and as per quantity calculate amount.  (For *IP* students) | Write every program from new page in your hand writing, also write output. Make batch of 2/3 student for each topic.Use your assignment copy for the  solutions of qn 1 and 2.Design program and submit in both soft and hard copy. |

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