**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF COMPUTER SCIENCE**

**ACADEMIC YEAR: 2017-2018: CLASS : XII**

**SUBJECT: COMPUTER SCIENCE**

**SYLLABUS PLAN – (JULY 2017 – NOV 2017)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **No. of working days/periods** | **Week** | | **No. of periods** | **Topic** | **Q.B./work sheet** | **Activities** |
| From | To |  |  |  |  |
| **July 2017** | 4 Days | 24.07.2017 | 27.07.2017 | 6 | Inheritance |  | Project Review & Documentation |
| 2 Days | 30.07.2017 | 31.07.2017 | 3 | Arrays – One Dim |  |  |
| **August 2017** | 3 Days | 01.08.2017 | 3.08.2017 | 5 | Arrays - Two Dim Arrays - Sorting – Searching - Merging | Worksheet – Arrays |  |
| 5 Days | 06.08.2017 | 10.08.2017 | 8 | Pointers - Pointers to Arrays & Structures |  |  |
| 3 Days | 13.08.2017 | 17.08.2017 | 5 | Data Structures – Introduction –Static/Dynamic Stack& Queue |  |  |
| 5 Days | 20.08.2017 | 24.08.2017 | 8 | Data Structures – Introduction –Static/Dynamic Stack& Queue | Worksheet – Stack & Queue |  |
| 5 Days | 27.08.2017 | 31.08.2017 | 8 | DBMS – SQL – DDL and DML commands – CREATE, ALTER, DELETE, INSERT, DESC commands |  |  |
| **September 2017** | 3 Days | 03.09.2017 | 07.09.2017 | 5 | SQL – UPDATE, SELECT, WHERE, GROUP BY, NULL, AGGREATE FUNCTIONS – Joining Tables | Worksheet – My SQL Queries using DDL & DML |  |
| 4 Days | 10.09.2017 | 28.09.2017 | 6 | Assessment - I |  |  |
| **October 2017** | 3 Days | 01.10.2017 | 05.10.2017 | 5 | Boolean Algebra – Boolean Laws |  |  |
| 5 Days | 08.10.2017 | 12.10.2017 | 8 | Boolean Expressions - Simplification | Worksheet – Boolean Algebra |  |
| 4 Days | 15.10.2017 | 19.10.2017 | 6 | Truth table – Gates – Simplification, SOP & POS |  |  |
| 5 Days | 22.10.2017 | 26.10.2017 | 8 | Karnaugh Map, Logic Circuits | Worksheet – K Map |  |
| 3 Days | 29.10.2017 | 31.10.2017 | 5 | Networking Concepts & Communications – LAN, WAN, MAN |  |  |
| **November 2017** | 2 Days | 01.11.2017 | 02.11.2017 | 3 | Communication Media |  |  |
| 5 Days | 05.11.2017 | 09.11.2017 | 8 | Network Topologies – Case Studies – Networking Devices – Hub, Switch, Router, Repeater, etc., |  |  |
| 5 Days | 12.11.2017 | 16.11.2017 | 8 | Networking Protocols – SMTP, FTP, SNMP, POP, etc., IT technologies – cloud computing | Worksheet - Networking |  |
| 4 Days | 19.11.2017 | 23.11.2017 | 6 | Revision |  | Solving CBSE Board Papers |
| 5 Days | 26.11.2017 | 30.11.2017 | 8 | Revision |  |
| **Total** | 75 Days |  |  | 119 |  |  |  |