**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF COMPUTER SCIENCE**

**ACADEMIC YEAR: 2016-2017: CLASS : XII**

**SUBJECT: COMPUTER SCIENCE**

**ANNUAL SYLLABUS PLAN**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Month** | **No. of working days/periods** | **Week** | **No. of periods** | **Topic** | **Q.B./work sheet** | **Activities** |
| From | To |
| **March 2016** | 4 Days | 14th Mar 2016 | 17th Mar 2016 | 4 | Revision Tour  |  | Academic Year Begins |
| 5 Days | 20th Mar 2016 | 24th Mar 2016 | 5 | Revision Tour |  |  |
|  | 4 Days | 28th Mar 2016 | 31st Mar 2016 | 4 | Object Oriented Programming |  |  |
| **April 2016** | 2 Days | 6th April 2016 | 7th April 2016 | 3 | Class & Objects |  |  |
| 5 Days | 10th April 2016 | 14th April 2016 | 9 | Constructor & Destructor | Worksheet |  |
| 5 Days | 17th April 2016 | 21st April 2016 | 9 | Inheritance | Worksheet |  |
|  | 5 Days | 24th April 2016 | 28th April 2016 | 9 | Data File Handling |  |  |
| **May 2016** | 4 Days | 1st May 2016 | 5th May 2016 | 7 | Data File Handling – Arrays - Introduction | Worksheet |  |
| 5 Days | 8th May 2016 | 12th May 2016 | 9 | Arrays – One Dim and Two Dim Arrays | Worksheet |  |
| 5 Days | 15th May 2016 | 19th May 2016 | 5 | **Unit Test – I -** Revision for Unit Test - I |  |  |
| 5 Days | 22nd May 2016 | 26th May 2016 | 5 | **Unit Test – I -** Revision for Unit Test - I |  |  |
|  | 3 Days | 29th May 2016 | 31st May 2016 | 5 | Sorting – Searching - Merging |  |  |
| **June 2016** | 4 Days | 1st June 2016 | 6th June 2016 | 7 | Pointers – Pointers to Arrays - Pointers to Structures – IT Project | IT Project |  |
| **August 2016** | 4 Days | 1st Aug 2016 | 4th Aug 2016 | 7 | Revision on Data File Handling & Arrays |  |  |
| 5 Days | 7th Aug 2016 | 11th Aug 2016 | 9 | **Unit Test - II** - Revision for Unit Test - II |  |  |
| 4 Days | 14th Aug 2016 | 19th Aug 2016 | 7 | **Unit Test - II** - Revision for Unit Test - II |  |  |
| 4 Days | 21st Aug 2016 | 25th Aug 2016 | 7 | Data Structures – Introduction – Stack & Queue |  |  |
|  | 4 Days | 28th Aug 2016 | 31st Aug 2016 | 7 | C++ Programs using Static/Dynamic Stack & Queue | Worksheet |  |
| **September 2016** | 6 Days | 1st Sep 2016 | 8th Sep 2016 | 11 | DBMS – SQL – DDL and DML commands – CREATE, ALTER, DELETE, INSERT, DESC, UPDATE, SELECT, WHERE, GROUP BY, NULL, AGGREATE FUNCTIONS |  |  |
| 3 Days | 11th Sep 2016 | 15th Sep 2016 | 5 | SQL – Joining Tables | Worksheet |  |
| 5 Days | 18th Sep 2016 | 22nd Sep 2016 |  | **Assessment - I**  |  |  |
| 5 Days | 25th Sep 2016 | 29th Sep 2016 |  | **Assessment - I**  |  |  |
| **October 2016** | 3 Days | 3rd Oct 2016 | 6th Oct 2016 | 5 | Boolean Algebra – Boolean Laws |  |  |
| 4 Days | 9th Oct 2016 | 13th Oct 2016 | 7 | Boolean Algebra - Truth table – Gates – Simplification, SOP & POS | Worksheet |  |
| 5 Days | 16th Oct 2016 | 20th Oct 2016 | 9 | Karnaugh Map, Logic Circuits | Worksheet |  |
| 5 Days | 23rd Oct 2016 | 27th Oct 2016 | 9 | Networking Concepts & Communications – LAN, WAN, MAN – Communication Media |  |  |
| **November 2016** | 3 Days | 1st Nov 2016 | 3rd Nov 2016 | 5 | Network Topologies – Case Studies – Networking Devices – Hub, Switch, Router, Repeater, etc.,  |  |  |
| 5 Days | 6th Nov 2016 | 10th Nov 2016 | 9 | Networking Protocols – SMTP, FTP, SNMP, POP, etc., IT technologies – cloud computing  | Worksheet |  |
| 5 Days | 13th Nov 2016 | 17th Nov 2016 | 9 | Revision |  |  |
|  | 5 Days | 20th Nov 2016 | 24th Nov 2016 | 9 | Revision |  |  |
|  | 4 Days | 27th Nov 2016 | 30th Nov 2016 | 7 | Revision |  |  |
| **December 2016** |  | 4th Dec 2016 | 8th Dec 2016 |  | **I Rehearsal Exam**  |  |  |
|  | 11th Dec 2016 | 15th Dec 2016 |  | **I Rehearsal Exam**  |  |  |
|  |  | 18th Dec 2016 | 21st Dec 2016 |  | **I Rehearsal Exam**  |  |  |
| **Total** | 135 Days |  |  | 203 |  |  |  |