** INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF COMPUTER SCIENCE**

**ACADEMIC YEAR: 2018-2019: CLASS : XI**

**SUBJECT: COMPUTER SCIENCE**

**SYLLABUS PLAN – (AUG 2018 – FEB 2019)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **No. of working days/periods** | **Week** | | | **No. of periods** | | **Topic** | **Q.B./work sheet** | **Activities** |
| From | To |  | |  | |  |  |
| **August 2018** | 2 Days | 1st Aug 2018 | 2nd Aug 2018 | 3 | | Flow of Control – Selection Statement- if ,if..else, else if Ladder | |  |  |
| 5 Days | 5th Aug 2018 | 9th Aug 2018 | 8 | | Flow of Control – for, while, do..while loops | | Flow of Control – Worksheet 1 |  |
| 4 Days | 12th Aug 2018 | 16th Aug 2018 | 7 | | Flow of Control – Nested Loops – Conversion between loops – loop output programs | |  |  |
| 3 Days | 19th Aug 2018 | 23rd Aug 2018 | 5 | | Jump Statements – goto, break, continue statements and exit() function. | |  |  |
| 5 Days | 26th Aug 2018 | 30th Aug 2018 | 8 | | Flow of control | | Flow of Control – Worksheet 2 |  |
| **September 2018** | 5 Days | 2nd Sep 2018 | 6th Sep 2018 | 8 | | Revision on Flow of Control | |  |  |
| 2 Days | 9th Sep 2018 | 10th Sep 2018 | 3 | | Assessment - I | |  |  |
| **October 2018** | 4 Days | 1st Oct 2018 | 4th Oct 2018 | 7 | | Arrays – Introduction, Need for Arrays, Type of Arrays, Initialization | |  |  |
| 5 Days | 7th Oct 2018 | 11th Oct 2018 | 8 | | One Dimensional Array Programs | |  |  |
| 4 Days | 14th Oct 2018 | 17th Oct 2018 | 7 | | Two Dimensional Array Programs | | Worksheet on Arrays |  |
| 5 Days | 21st Oct 2018 | 25th Oct 2018 | 8 | | Standard Library Functions – random(), String functions. | |  |  |
| 4 Days | 28th Oct 2018 | 31st Oct 2018 | 7 | | Character & mathematical functions | |  |  |
| **November 2018** | 1 Day | 1st Nov 2018 | 1st Nov 2018 | 2 | | User Defined Functions – Prototype | |  |  |
| 3 Days | 4th Nov 2018 | 6th Nov 2018 | 5 | | Accessing a Function – Default Arguments, Constants | |  |  |
| 3 Days | 11th Nov 2018 | 15th Nov 2018 | 5 | | Call By Value & Call By Reference | | Worksheet on Functions |  |
| 4 Days | 18th Nov 2018 | 22nd Nov 2018 | 7 | | Revision on Arrays & Functions | |  |  |
| 5 Days | 25th Nov 2018 | 29th Nov 2018 | 8 | | Revision on Unit Test 1 - Syllabus | |  |  |
| **December 2018** | 4 Days | 2nd Dec 2018 | 5th Dec 2018 | 7 | | Revision on Assessment 1 - Syllabus | |  |  |
| 2 Days | 9th Dec 2018 | 10th Dec 2018 | 3 | | Assessment - II | |  |  |
| **January 2019** | 2 Days | 9th Jan 2019 | 10th Jan 2019 | 3 | | Structures – Introduction – Referencing Structure Elements – Structure Programs | |  |  |
| 5 Days | 13th Jan 2019 | 17th Jan 2019 | 8 | | Structures :Nested Structures – Passing Structures to Functions | | Worksheet on Structures |  |
| 5 Days | 20th Jan 2019 | 24th Jan 2019 | 8 | | User Defined Data types – TypeDef - #define – preprocessor directives | |  |  |
| 5 Days | 27th Jan 2019 | 31st Jan 2019 | 8 | | Passing Structures to Functions - Call By Value, Call By Reference using structures. Programming Methodology & Revision | | Worksheet on Arrays |  |
| **February 2019** | 5 Days | 3rd Feb 2019 | 7th Feb 2019 | 8 | | Revision | |  |  |
| 5 Days | 10th Feb 2019 | 14th Feb 2019 | 8 | |  | |  |  |
| **Total** | 97 Days |  |  | 159 | |  | |  |  |