** INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF COMPUTER SCIENCE**

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

**SUBJECT: COMPUTER SCIENCE**

 **SYLLABUS PLAN – (JULY 2017 – FEB 2018)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | Review of Holiday Worksheet programs |  | Holiday Home Work Checking |
| 2 Days | 30.07.2017 | 31.07.2017 | 3 | Flow of control Introduction |  |  |
| **August 2017** | 3 Days | 01.08.2017 | 3.08.2017 | 5 | Flow of Control – Selection Statement- if ,if..else, else if Ladder |  |  |
| 5 Days | 06.08.2017 | 10.08.2017 | 8 | Flow of Control – Nested if..else - Switch … case statement Conditional Statement (? : Operator) | Flow of Control – Worksheet 1 |  |
| 3 Days | 13.08.2017 | 17.08.2017 | 5 | Flow of Control – for, while, do..while loops |  |  |
| 5 Days | 20.08.2017 | 24.08.2017 | 8 | Flow of Control – Nested Loops – Conversion between loops – loop output programs |  |  |
| 5 Days | 27.08.2017 | 31.08.2017 | 8 | Jump Statements – goto, break, continue statements and exit() function. | Flow of Control – Worksheet 2 |  |
| **September 2017** | 3 Days | 03.09.2017 | 07.09.2017 | 5 | Revision on Flow of control |  |  |
| 4 Days | 10.09.2017 | 28.09.2017 | 6 | Assessment - I |  |  |
| **October 2017** | 3 Days | 01.10.2017 | 05.10.2017 | 5 | Arrays – Introduction, Need for Arrays, Type of Arrays, Initialization |  |  |
| 5 Days | 08.10.2017 | 12.10.2017 | 8 | One Dimensional Array Programs |  |  |
| 4 Days | 15.10.2017 | 19.10.2017 | 6 | Two Dimensional Array Programs | Worksheet on Arrays |  |
| 5 Days | 22.10.2017 | 26.10.2017 | 8 | Standard Library Functions – random(), String functions. |  |  |
| 3 Days | 29.10.2017 | 31.10.2017 | 5 | Character & mathematical functions |  |  |
| **November 2017** | 2 Days | 01.11.2017 | 02.11.2017 | 3 | User Defined Functions – Prototype |  |  |
| 5 Days | 05.11.2017 | 09.11.2017 | 8 | Accessing a Function – Default Arguments, Constants |  |  |
| 5 Days | 12.11.2017 | 16.11.2017 | 8 | Call By Value & Call By Reference | Worksheet on Functions |  |
| 4 Days | 19.11.2017 | 23.11.2017 | 6 | Revision on Arrays & Functions |  |  |
| 5 Days | 26.11.2017 | 30.11.2017 | 8 | Revision on Unit Test 1 - Syllabus |  |  |
| **December 2017** | 4 Days | 03.12.2017 | 07.12.2017 | 6 | Revision on Assessment 1 - Syllabus |  |  |
|  | 10.12.2017 | 21.12.2017 |  | Assessment - II |  |  |
| **January 2018** | 5 Days | 14.01.2018 | 18.01.2018 | 8 | Structures – Introduction – Referencing Structure Elements – Structure Programs |  |  |
|  | 5 Days | 21.01.2018 | 25.01.2018 | 8 | Structures :Nested Structures – Passing Structures to Functions | Worksheet on Structures |  |
|  | 4 Days | 28.01.2018 | 31.01.2018 | 6 | User Defined Data types – TypeDef - #define – preprocessor directives |  |  |
| **February 2018** | 5 Days | 04.02.2018 | 08.02.2018 | 8 | Passing Structures to Functions - Call By Value, Call By Reference using structures. Programming Methodology & Revision | Worksheet on Arrays |  |
|  | 5 Days | 11.02.2018 | 15.02.2018 | 8 | Revision |  |  |
| **Total** | Days |  |  | 163 |  |  |  |