

SHARJAH INDIAN SCHOOL

SYLLABUS FOR THE ACADEMIC YEAR 2018 – 2019

Grade : XII

Subject : Computer Science

Prepared by : Mrs. Jihan Shareen

| | THEORY | | | PRACTICALS | |
|------------------------------|----------|---|----------------|--------------------------------------|----------------|
| Month | Unit No. | Title of Lesson | No. of Periods | Name of Experiment / Project Planned | No. of Periods |
| APRIL (17 days) | IV | UNIT IV : BOOLEAN ALGEBRA | 8 | | |
| | I | UNIT I : OBJECT ORIENTED PROGRAMMING | | | |
| | | <ul style="list-style-type: none"> • Ls – 13 - Boolean Algebra | | | |
| MAY (23 days) | I | UNIT I : OBJECT ORIENTED PROGRAMMING | | | |
| | | <ul style="list-style-type: none"> • Ls – 2 - Object Oriented Programming • Ls – 3 – Function Overloading | 2 | Array of Objects (3 programs) | 2 |
| | | <ul style="list-style-type: none"> • Ls – 4 – Classes & Objects | 6 | | 5 |
| MAY (23 days) | I | UNIT I : OBJECT ORIENTED PROGRAMMING | | Constructors & Destructors | |
| | | <ul style="list-style-type: none"> • Ls – 5 - Constructors and Destructors | 5 | (1 program) | 2 |
| | | <ul style="list-style-type: none"> • Ls – 6 – Inheritance • Ls – 7 - Data File Handling | 4 | 1 program | 8 |
| JUNE & JULY (20 + 5 days) | I | UNIT I : OBJECT ORIENTED PROGRAMMING | | | |
| | | <ul style="list-style-type: none"> • Ls – 8 – Pointers | 3 | 2 programs | 5 |
| SEPTEMBER (16 days) | II | UNIT II : DATA STRUCTURES | | | |
| | | <ul style="list-style-type: none"> • Ls - 9 - Arrays • Ls – 10 - Linked List , Stacks & Queues | 7 | 5 programs | 12 |

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| OCTOBER (23 days) | III | UNIT III : DBMS & SQL <ul style="list-style-type: none"> • Ls – 11 - Database Concepts • Ls – 12 - Structured Query Language | 2 5 | 3 SQL Exercises | 9 |
| NOVEMBER (19 days) | V | UNIT V : COMMUNICATION TECHNOLOGIES <ul style="list-style-type: none"> • Ls – 14 - Communication Technologies | 15 | (Data Structure) 4 programs | 7 |
| DECEMBER (9 days) | V | UNIT V : COMMUNICATION TECHNOLOGIES <ul style="list-style-type: none"> • Ls – 14 - Communication Technologies | 5 | 4 programs | 4 |
| | | REVISION | 3 | Record File and Project Submission | |
| JANUARY (20 days) | MODEL EXAMINATION & MODEL PRACTICAL EXAMINATION | | | | |
| FEBRUARY (15 days) | FINAL PRACTICAL EXAMINATION | | | | |
| MARCH | BOARD EXAMINATION | | | | |