**INDIAN SCHOOL AL WADI AL KABIR**

**DEPARTMENT OF COMPUTER SCIENCE**

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

**SUBJECT: INFORMATICS PRACTICES**

**ANNUAL SYLLABUS PLAN**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **No. of working days/periods** | **Week** | | **No. of periods** | **Topic** | **Q.B./work sheet** | **Activities** |
| From | To |
| **April 2016** | 2 Days | 6th April 2016 | 7th April 2016 | 3 | Hardware Concepts - Computer Security, Types of Software |  | Academic Year Begins |
| 5 Days | 10th April 2016 | 14th April 2016 | 9 | Types of Software – Virus – Worms – Spyware – Spam – Cookies – Firewall –etc., IDE – Introduction | Worksheet |  |
| 5 Days | 17th April 2016 | 21st April 2016 | 9 | Basic IDE Controls (Label / Text Field / Button / Text Area / Option Button / Check Box etc., |  |  |
|  | 5 Days | 24th April 2016 | 28th April 2016 | 9 | Data Types, Variables – Parsing Methods in IDE | Worksheet |  |
| **May 2016** | 4 Days | 1st May 2016 | 5th May 2016 | 7 | Control Structures – Basics |  |  |
| 5 Days | 8th May 2016 | 12th May 2016 | 9 | Decision Structure | 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 | Java Net Beans I and II |  |  |
| **June 2016** | 4 Days | 1st June 2016 | 6th June 2016 | 7 | Flow of Control – for, while and do..while loop |  |  |
| **August 2016** | 4 Days | 1st Aug 2016 | 4th Aug 2016 | 7 | Flow of Control – Conversion of loops | Worksheet |  |
| 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 | Java GUI programming using swing - III |  |  |
|  | 4 Days | 28th Aug 2016 | 31st Aug 2016 | 7 | Java GUI programming using swing - III | Worksheet |  |
| **September 2016** | 6 Days | 1st Sep 2016 | 8th Sep 2016 | 11 | Snapshot programs using radio button, check box, combo box and list box Programming guidelines |  |  |
| 3 Days | 11th Sep 2016 | 15th Sep 2016 | 5 | Revision |  |  |
| 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 | DBMS Concepts |  |  |
| 4 Days | 9th Oct 2016 | 13th Oct 2016 | 7 | DBMS Concepts |  |  |
| 5 Days | 16th Oct 2016 | 20th Oct 2016 | 9 | Introduction to MySQL – DDL & DML |  |  |
| 5 Days | 23rd Oct 2016 | 27th Oct 2016 | 9 | MYSQL – Create, Alter, Drop, Desc | Worksheet |  |
| **November 2016** | 3 Days | 1st Nov 2016 | 3rd Nov 2016 | 5 | MYSQL – Creating Table with Constraints, Primary, Unique, Not Null, Check, Default |  |  |
| 5 Days | 6th Nov 2016 | 10th Nov 2016 | 9 | My SQL DML – Insert, Delete |  |  |
| 5 Days | 13th Nov 2016 | 17th Nov 2016 | 9 | My SQL DML – Update with other queries with revision | Worksheet |  |
| 5 Days | 20th Nov 2016 | 24th Nov 2016 | 9 | My SQL – Select using FROM, WHERE, Order By clause |  |  |
| 4 Days | 27th Nov 2016 | 30th Nov 2016 | 7 | My SQL – Select using Group By Clause - My SQL Queries – Select using % and \_ characters | Worksheet |  |
| **December 2016** | 5 Days | 4th Dec 2016 | 8th Dec 2016 |  | **Assessment - II** |  |  |
| 4 Days | 11th Dec 2016 | 15th Dec 2016 |  | **Assessment - II** |  |  |
|  | 4 Days | 18th Dec 2016 | 21st Dec 2016 |  | **Assessment - II** |  |  |
| **January 2017** | 5 Days | 15th Jan 2017 | 19th Jan 2017 | 9 | MYSQL functions – String Functions |  |  |
| 4 Days | 22nd Jan 2017 | 26th Jan 2017 | 9 | MYSQL functions - Mathematical and Date Functions | Worksheet |  |
| 3 Days | 29th Jan 2017 | 31st Jan 2017 | 5 | IT Applications – Ecommerce, E Learning – E Governance | Worksheet |  |
| **February 2017** | 7 Days | 1st Feb 2017 | 9th Feb 2017 | 12 | Revision |  |  |
| 5 Days | 12th Feb 2017 | 16th Feb 2017 | 9 | Revision |  |  |
|  | 5 Days | 19th Feb 2017 | 23rd Feb 2017 |  | **Assessment - III** |  |  |
|  | 3 Days | 26th Feb 2017 | 28th Feb 2017 |  | **Assessment - III** |  |  |
| **Total** | 167 Days |  |  | 234 |  |  |  |