

INFORMATION TECHNOLOGY SYLLABUS

CLASS-VIII (Session 2018-19)

Book: InfoZone Computer Science (Optima Publication)

(April to September)

April:

Chapter 1: Computer Networking

1st Week (02.04.18 – 07.04.18): Advantages of computer networking, types of computer network, Client-Server and Peer-To-Peer network

2nd Week (09.04.18 – 14.04.18): Internet and Intranet, Networking devices, Network softwares

3rd Week (16.04.18 – 21.04.18): Transmission Media

Lab Activity: Make a presentation on types of Computer Network.

Chapter 2: Charts in Excel 2010

4th Week (23.04.18 – 28.04.18): Chart types, Chart components

Lab Activity: Make a simple chart in MS Excel

May:

Chapter 2: Charts in Excel 2010

1st Week (30.04.18 – 05.05.18): Creating charts, Adding charts elements, changing chart location,

2nd Week (07.05.18 – 12.05.18): Modifying charts. Formatting charts

Lab Activity: Create a worksheet in Excel and make Pie chart to represent data.

Chapter 3: Excel in Database

3rd Week (14.05.18 – 19.05.18): Data Sorting, Filtering records, Custom Autofilter

4th Week (21.05.18 – 26.05.18): Advanced filter, Data Validation

5th Week (28.05.18 – 31.05.18): Conditional Formatting

Lab Activity: 1. Create Progress Report Card in MS Excel and apply sorting.

July:

Chapter 4: Introduction to MS Access 2010

1st Week (02.07.18 – 07.07.18): Components of Database, MS Access 2010, Access Database objects

2nd Week (09.07.18 – 14.07.18): Starting MS Access 2010, Creating table using Database window, Modifying table.

3rd Week (16.07.18 – 21.07.18): Creating table using design window, Adding Primary Key field

Lab Activity: Create database in MS Access and insert values.

Chapter 5: Forms, Queries and Reports

4th Week (23.07.18 – 28.07.18): Forms, Creating and navigating records in forms.

Lab Activity: Create a form “Welcome to MS Access”

August:

Chapter 5: Forms, Queries and Reports

1st Week (30.08.18 – 04.08.18): Queries, creating simple select query.

2nd Week (06.08.18 – 11.08.18): Creating queries using multiple tables, query on related tables, Reports.

3rd Week (13.08.18 – 18.08.18): Creating reports using Report tool and report window

Lab Activity: Create a database and apply simple select query

Chapter 6: The Computer Malware

4th Week (20.08.18 – 25.08.18): Computer Virus, Types of computer virus

5th Week (27.08.18 – 01.09.18): How viruses spread, Effects of Virus Infection

Lab Activity: Make a presentation on “Types of Computer Virus”

September:

Revision and Mid Term Exam

(October to February)

October:

Chapter 6: The Computer Malware

1st Week (01.10.18 – 06.10.18): Preventing System from Virus Attacks, Antivirus Softwares, some more Digital Attacks

2nd Week (08.10.18 – 13.10.18): Hackers and Crackers, Firewalls

Lab Activity: Make a presentation on “Digital Attacks”

Chapter 7: Introduction to HTML

3rd Week (15.10.18 – 20.10.18): HTML, HTML Tags, Tab Attributes

4th Week (22.10.18 – 27.10.18): Basic HTML tags, Create & view HTML document, View source code

5th Week (29.10.18 – 03.11.18): Body tag, creating heading, Horizontal rule,
Lab Activity: Make a simple webpage in HTML

November:

Chapter 7: Introduction to HTML

1st Week (05.11.18 – 10.11.18): Text formatting tags

Lab Activity: Make a simple webpage in HTML using formatting tags.

Chapter 8: Moving Ahead with HTML

2nd Week (12.11.18 – 17.11.18): Creating ordered and unordered list, Inserting image in Web Page, Hyperlinks

3rd Week (19.11.18 – 24.11.18): Creating table in HTML, Attributes of <Table> tag

Lab Activity: Create a webpage in HTML using tags

Chapter 9: Visual Basic 2008

4th Week (26.11.18 – 01.12.18): Visual Basic IDE, Working modes of VB.

December:

Chapter 9: Visual Basic 2008

1st Week (03.12.18 – 08.12.18): Adding controls on the form, Creating application in VB

2nd Week (10.12.18 – 15.12.18): To run your Application

Lab Activity: Create a welcome page in Visual Basic

Chapter 10: Visual Basic 2008: Advanced Programming

3rd Week (17.12.18 – 22.12.18): Variables, Assigning values to variables,

4th Week (24.12.18 – 29.12.18): Decision structure

5th Week (31.12.18 – 05.01.18): Loops in Visual Basic

Lab Activity: Write a program to enter your name and number in VB.

January:

Revision

February:

Final Exam