Course Name: **O Level (1ˢᵗSem)**   Subject **Web Designing & Publishing (WDP)**
Topic: **Responsive Web Design – Intro.**   Date: **09-Apr-2020**

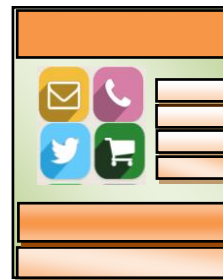## Responsive Web Design (RWD)

➕ Responsive Web Design

Responsive **W**eb **D**esign (RWD) means designing of website in such a way that the contents of websites automatically fit and resize that makes the website looks good on all devices (PC, laptop, tablets or mobile phones) wherever it is opened.

Now a days, users view the website using different devices (PC, laptop, tablets or mobile phones) and the screen size of the devices differs from one another, therefore the designing of the website must be in such a way that it looks good in all the devices.
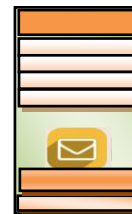
We can understand it by following figure which depicted how the contents of the website fits, arrange and resize on various screen size:

1. Computer Screen   2. Tablet Screen   3. Mobile Screen

HTML and **CSS (Cascading Style Sheet)** are used together to make the website responsive.

➕ Popular framework for RWD

1. W3.CSS   2. Bootstrap

✚ W3.CSS

W3.CSS is a free and modern CSS framework published by W3school for developing responsive, mobile-first websites. It is smaller and faster than similar CSS frameworks. It is easier to learn and use. It simply and speed up the development of website

W3.CSS is inspired from Google Material Design. It includes only standard CSS. No jQuery or JavaScript library included in it.

✚ Bootstrap

Bootstrap is a web framework that focuses on simplifying the development of informative web pages. It is one of the most popular HTML, CSS, and JavaScript frameworks for developing responsive, mobile-first websites. It is open source toolkit having powerful library of typography, forms, navigation bar, image gallery, buttons, carousel etc.

Bootstrap, originally named Twitter Blueprint, was developed by Mark Otto and Jacob Thornton at Twitter as a framework to encourage consistency across internal tools. After a few months of development, it was renamed from Twitter Blueprint to Bootstrap, and released as an open source project on August 19, 2011.

Exercise:

1. **What is need of Responsive Web Design?**
2. **What is difference between Bootstrap and W3.CSS**

●●●