

(Time: 03 Hours)

Total Marks: 80

**N.B. (1) Question No. 1 is compulsory.**

**(2) Attempt any three questions from remaining.**

**(3) Assume suitable data wherever necessary.**

**(4) Figures to right indicate full marks.**

1. (a) Explain Media query with the help of an example. **10**
- (b) Explain the three main ways to apply CSS styles to a page. **10**
2. (a) Design a web page to demonstrate transformation and animation. **10**
- (b) Differentiate between fixed-width layout and fluid-layout with example. **10**
3. (a) Explain CSS3 type selectors with suitable example. **10**
- (b) What is SEO? Comment on SEO objectives. **10**
4. (a) Explain in detail JSON mashup with diagram. **10**
- (b) Explain Geolocation and Webworker with the help of suitable example. **10**
5. (a) Discuss in detail algorithm based ranking system. **10**
- (b) Discuss techniques available in HTML5 and CSS3 to make web page responsive. **10**
6. (a) Explain characteristics of RIA. Discuss web services. **10**
- (b) Discuss pseudo classes in CSS 3 with example. **10**

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