

INDIAN STATISTICAL INSTITUTE BANGALORE CENTRE
Documentation Research and Training Centre

M. S. (Library and Information Science) 2018-20
Second Year, Semester III (Mid-Term)

Paper 16: Web Technology and Web based Information Services
Date: 13th Sep 2019

Duration: 1.5 hours

Full marks: 40

Answer any 4 questions. All questions carry equal marks.

1. Discuss the major advantages of HTML5 over HTML4.
2. Describe highlights of CSS3, including rules of specificity.
3. Explain the difference between DTD and XML Schema.
4. Write a DTD for which the following XML document will be valid:

```
<?xml version="1.0"?>
<collection>
  <record>
    <title>The Five Laws of Library Science </title>
    <author>Ranganathan, S. R.</author>
    <publisher>
      <name>Ess Ess Publications</name>
      <year>2006</year>
    </publisher>
    <keyword lang="en">Classification</keyword>
  </record>
  <record>
    <title>Classified catalogue code</title>
    <author>Ranganathan, S. R.</author>
    <author>Neelamegha, A.</author>
    <publisher>
      <place>New Delhi</place>
      <name>Ess Ess Publications</name>
      <year>2006</year>
    </publisher>
  </record>
</collection>
```

5. Explain the usage of data serialization formats, such as YAML and JSON.