

eXtensible Markup Language

TOTAL POINTS 10

1.Question 1

What is the name of the Python 2.x library to parse XML data?

- ☐ xml2
- ☐ xml-misc
- ☐ xml.json
- ☒ xml.etree.ElementTree

1 point

2.Question 2

Which of the following are not commonly used serialization formats?

- ☐ XML
- ☒ TCP
- ☒ Dictionaries
- ☐ JSON
- ☒ HTTP

1 point

3.Question 3

In this XML, which are the "simple elements"?

```
<people>
  <person>
    <name>Chuck</name>
    <phone>303 4456</phone>
  </person>
  <person>
    <name>Noah</name>
    <phone>622 7421</phone>
  </person>
</people>
```

- ☒ name
- ☐ people
- ☐ Noah
- ☐ person
- ☒ phone

1 point

4.Question 4

In the following XML, which are attributes?

```
<person>
  <name>Chuck</name>
  <phone type="intl">
    +1 734 303 4456
  </phone>
  <email hide="yes" />
</person>
```

- ☒ hide
- ☐ person
- ☐ email
- ☒ type
- ☐ name

1 point

5.Question 5

In the following XML, which node is the parent node of node e

```
<a>
  <b>X</b>
  <c>
    <d>Y</d>
    <e>Z</e>
  </c>
</a>
```

- ☐ b

- ☒ c
- ☐ e
- ☐ a

1 point

6.Question 6

Looking at the following XML, what text value would we find at path "/a/c/e"

```
<a>
  <b>X</b>
  <c>
    <d>Y</d>
    <e>Z</e>
  </c>
</a>
```

- ☐ e
- ☒ Z
- ☐ Y
- ☐ b
- ☐ a

1 point

7.Question 7

What is the purpose of XML Schema?

- ☐ To compute SHA1 checksums on data to make sure it is not modified in transit
- ☐ To transfer XML data reliably during network outages
- ☐ A Python program to transform XML files
- ☒ To establish a contract as to what is valid XML

1 point

8.Question 8

If you were building an XML Schema and wanted to limit the values allowed in an xs:string field to only those in a particular list, what XML tag would you use in your XML Schema definition?

- ☒ xs:enumeration
- ☐ xs:complexType
- ☐ xs:element
- ☐ xs:sequence
- ☐ maxOccurs

1 point

9.Question 9

What does the "Z" mean in this representation of a time:

2002-05-30T09:30:10Z

- ☒ This time is in the UTC timezone
- ☐ The hours value is in the range 0-12
- ☐ The local timezone for this time is New Zealand
- ☐ This time is Daylight Savings Time

1 point

10.Question 10

Which of the following dates is in ISO8601 format?

- ☒ 2002-05-30T09:30:10Z
- ☐ May 30, 2002
- ☐ 2002-May-30
- ☐ 05/30/2002

1 point