a. Given XML is not correct because it has a record tag inside the artist tag. The following is the corrected XML.

Corrected XML:

```
<!DOCTYPE record [
        <!ELEMENT record (artist|year|contributor)*>
        <!ELEMENT artist (#PCDATA)>
        <!ELEMENT year (#PCDATA)>
        <!ELEMENT contributor (#PCDATA)>
        ]>
<record>
 <artist>text</artist>
 <year>text</year>
 <contributor>text</contributor>
</record>
```

b. **Corresponding XML Schema:**

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema attributeFormDefault="unqualified"
elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
 <xs:element name="record" type="recordType"/>
 <xs:complexType name="recordType">
   <xs:sequence>
     <xs:element type="xs:string" name="artist"/>
     <xs:element type="xs:string" name="year"/>
     <xs:element type="xs:string" name="contributor"/>
   </xs:sequence>
 </xs:complexType>
</xs:schema>
```