

Sant Gadge Baba Amravati University, Amravati Summer 2020 Examination

H.V.P.Mandal's College Of Engineering & Technology Amravati

Course: Computer Science & Engineering

BE Four Year Seventh Semester (Computer Science & Engineering) Summer 2020 Exam

7KS05 Web Engineering

**Assignment ONLY FOR BACKLOG STUDENTS**

Marks: 20

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**Note:**

1. Solve any Two Questions.

2. Each Question carries 10 Marks

**Question No1.(10 Marks)**

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|---|------|
| a) Differentiate between Persistent and non-persistent connection   | (2M) |
| b) List out the six common HTML tags Placed in the head section of HTML document.   | (2M) |
| c) Give the five pre-defined entities and the character they represent in XML.  | (2M) |
| d) What is equivalent of * (asterisk) symbol of DTD in xml-schema<br>(Write the appropriate option from the following<br>1. minOccurs="0" maxOccurs="unbounded"<br>2. minOccurs="1" maxOccurs="unbounded"<br>3. minOccurs="0"<br>4. None) | (1M) |
| e) How local and global variables are declared in java script also give example of each.  | (2M) |
| f) What is the purpose of REMOTE_ADDR Environment variable?   | (1M) |

**Question No.2.(10 Marks)**

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|---|------|
| a) Draw the structure of HTTP Request Message   | (1M) |
| b) List out the six common attributes of HTML <body> tag.   | (2M) |
| c) List the rules that must be followed by XML document to be well-formed   | (2M) |
| d) Give the syntax to define element in XML Schemas with example  | (2M) |
| e) JavaScript is _____ Language<br>(Write the appropriate option from the following<br>1. Client Side Scripting 2. Server Side Scripting 3. Markup 4. Stylesheet) | (1M) |
| f) List some of the Alternatives and enhancement to CGI technologies.   | (2M) |

**Question No3.(10 Marks)**

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|---|------|
| <b>a)</b> Draw the structure of HTTP Response Message   | (1M) |
| <b>b)</b> What are the different types and subtypes of style-sheet?   | (2M) |
| <b>c)</b> What is the correct syntax of CDATA section in an XML Document<br>(Write the appropriate option from the following<br>1. <CDATA >Text </CDATA> 2. <PCDATA>Text</PCDATA ><br>3. <xml:CDATA[Text] > 4. <![CDATA[Text]] >) | (1M) |
| <b>d)</b> List out the Limitations of DTD   | (2M) |
| <b>e)</b> Explain in brief heterogeneous array in JavaScript with example.  | (2M) |
| <b>f)</b> What are environment variables? name any two CGI Environment variables  | (2M) |

**Question No 4. (10 Marks)**

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|--|------|
| <b>a)</b> Explain the anatomy of the URL in brief.   | (2M) |
| <b>b)</b> Which is not the type of External Style Sheet?<br>(Write the appropriate option from the following<br>1.Preferred 2.Persistent 3.Alternate 4.Embedded)   | (1M) |
| <b>c)</b> Write the differences between XML and HTML   | (2M) |
| <b>d)</b> List out the Strength of XML Schema  | (2M) |
| <b>e)</b> List the four JavaScript array methods that are used to add and remove an element from an array.   | (2M) |
| <b>f)</b> Which of the Following is true regarding CGI<br>(Write the appropriate option from the following<br>1. it is client-side technology 2. it is server-side technology<br>3.it is a web server 4.it is a browser) | (1M) |