**Name:** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Reg No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: 14th Oct 2024**

**Q1: Write the flow of Webserver when a request come from the user, you can consider the webserver to be XAMPP (Marks: 3)**

1. **receive a HTTP request;**
2. **translate the resource “path” based on the requesting URL;**
3. **check access based on the requested information;**
4. **validate the user id and authenticate the user if necessary;**
5. **determine the**[***MIME* (Multi-purpose Internet Mail Extensions)**](http://en.wikipedia.org/wiki/MIME)**type of the requested resource;**
6. **generate the dynamic response if needed, i.e., running local scripts;**
7. **send response back**
8. **log the request.**

**Q2: Create an HTML5 form that includes the following elements with appropriate validation: (Marks: 12)**

1. A text input for the user's website (required, minimum length 10 characters).
2. An email input for the user's email address (required).
3. A password input for the user's password (required, minimum length 8 characters).
4. An age input for the user's age (values should be a number with range 10-20 and gap of 2 like 10, 12, 14, 16, 18, 20) [Hint: it’s not a dropdown].

**<input type = “range” steps = “2” min=“10” max = “20” />**

1. A submit button to submit the form.
2. A reset button to clear the form.