

BCA Semester - V
EXAMINATION OCTOBER 2019
Web Technology

[Duration : Two Hours]

[Max. Marks: 50]

Instructions:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

1. A) Answer the following in 40 to 60 words.**(5x1=5)**

- i) State any one advantage of using web services.
- ii) What is meant by Document Type Definition (DTD)?
- iii) Mention the use of Cascaded Style Sheets in a web page.
- iv) What are Proxy Servers?
- v) Mention any one feature of Persistent Cookie.

1. B) Fill in the blanks**(5x1=5)**

- i) _____ is a lightweight XML format designed for sharing headlines and other web content.
- ii) ASCII stands for _____.
- iii) _____ is a software distribution model in which a third party provider hosts application and makes them available to customers over the Internet.
- iv) _____ is the term devised to differentiate the post-dotcom bubble World Wide Web with its emphasis on inter operability, social networking and user-generated content for end users.
- v) _____ is the standard security technology for establishing an encrypted link between a web server and a browser so that the data passed remain private and integral.

2. Answer the following:**10**

- A) How XML is different from HTML? **2**
- B) Briefly explain any three disadvantages of using Apache Web Server. **3**
- C) Explain the form 'target' attribute values in HTML. **5**

3. Answer the following:**10**

- A) How does the use of Strict Mode affect JavaScript programs? **2**
- B) Briefly explain the types of nodes in DOM Tree. **3**
- C) Explain the CSS 'Class' and 'Id' selectors using snippet code. **5**

4. Answer the following:**10**

- A) State the role of XML in web development. **2**
- B) Compare and contrast between `include_once()` and `require_once()`. **3**
- C) Explain the various dialog boxes in JavaScript with the help of snippet code. **5**

8. Answer the following: 10
- A) Mention any two ways of retrieving data from the result set of MySQL using PHP. 2
 - B) Mention any three approaches in Hardening Web Application Security. 3
 - C) Write a short note on the cryptography key types to secure and protect data during communication. 5