

**TBC-501/TBI-501**

**B. C. A./B. SC. (IT)  
(FIFTH SEMESTER)**

**END SEMESTER EXAMINATION, 2018**

**WEB TECHNOLOGY**

**Time : Three Hours**

**Maximum Marks : 100**

**Note :** (i) The question paper contains five questions.

(ii) All questions are compulsory.

(iii) Instructions on how to attempt a question are mentioned against it.

(iv) Total marks assigned to each question are **twenty**.

1. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

(a) Explain the following protocols :

(i) SMTP

(ii) MIME

(iii) POP3

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- (b) What is the difference between search engine and web browser ? Explain briefly with examples.
- (c) Enlist various differences between HTTP and FTP protocol.
2. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Differentiate between static html and dynamic html. Explain the different types of linking with the tag used for it.
- (b) Write an html code to create a navigation as given below :

University1	
<a href="#">Link1</a> <a href="#">Link2</a> <a href="#">Link3</a> <a href="#">Link4</a>	<ul style="list-style-type: none"><li>• BCA</li><li>• MCA</li><li>• B.TECH</li><li>• DCA</li></ul>

- (c) Write an HTML code to demonstrate the use of hover selector with `<a>` tag using CSS.

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3. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Explain the different types of dialog boxes used in JavaScript with proper code snippet.
- (b) What are events and how event handling is performed in JavaScript ? Write an html code to change the background color of the webpage on the button click.
- (c) Explain Document Object Model of JavaScript and its applications using appropriate example.
4. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)
- (a) Explain the importance and features of XML.
- (b) Write short notes on the following :
- (i) Xml schema
- (ii) Xml vs. html
- (c) Explain the types of DTD in XML and create DTD for book.

5. Attempt any *two* questions of choice from (a), (b) and (c). (2×10=20 Marks)

- (a) Create a database in MYSQL GEHU containing table course having three fields course name, course\_id and course duration. Write a PHP code to insert the values in the table course.
- (b) Use PHP and perform a Create, Read, Update, Delete operation.
- (c) Explain string handling in PHP. Enlist any five string handling functions of PHP using suitable example.