

Roll No.

H

TBC/TBI-501

**B. C. A./B. SC. (IT) (FIFTH SEMESTER)
END SEMESTER EXAMINATION, 2019**

WEB TECHNOLOGY

Time : Three Hours

Maximum Marks : 100

Note : (i) This 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 each to question are **twenty**.

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

— (a) (i) Discuss Internet and various services offered by Internet.

(ii) Discuss WWW and HTML protocols (HTTP and FTP) in details.

(b) What is the need of Search Engines ? Discuss Load Balancing and Application Server.

(c) Discuss importance of Website in our day to day life. What are the main technical components of a website ?

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

(a) Discuss structure of an HTML document with HTML elements.

(b) Design a basic website with four pages connected with each other. Pages names are Home, about, services and contact us. Make sure the use of external css the above website.

(c) Discuss Forms and Form controls with the help of appropriate example.

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

— (a) Discuss JavaScript and JavaScript functions with their types in details with proper example.

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(2)

(b) Make a JavaScript document to explain the use of Alert, Confirm, Prompt dialog boxes/popup boxes.

(c) Discuss the use of events and event handling in details.

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

(a) Discuss XML with their important characteristics and uses.

(b) Make an HTML document to design a basic calculator.

(c) Discuss Document Type Definition with building block of XML document seen from DTD point of view.

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

(a) What is PHP ? Discuss Database connectivity in PHP with proper example.

(b) What is MySQL ? Create a login form and explain the use of `$_GET` and `$_POST` method.

(c) Create a PHP document to show the use of control statement :

(i) If statement

(ii) If else statement

(iii) Do while statement

(iv) For loop