

Roll No.

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Total No. of Pages: 02

Total No. of Questions: 09

M.Sc. (IT) (2015 Onwards) (Sem. – 2)

WEB TECHNOLOGIES

M Code: 72731

Subject Code: MSIT-204

Paper ID: [72731]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1. **SECTIONS-A, B, C & D** contains **TWO** questions each carrying **TEN** marks and students has to attempt any **ONE** question from each **SECTION**.
2. **SECTION-E** is **COMPULSORY** consisting of **TEN** questions carrying **TWENTY** marks in all.

SECTION A

1. What is a Web browser? Name any four. How a web browser communicates with web servers? Explain.
2. Write an HTML document to provide a form that collects names and telephone numbers.

SECTION B

3. What is Document Object Model? Explain in detail.
4. Write a Java Script function to search an element in a given array.

SECTION C

5. What do you mean by AJAX? What problem does it solve? Explain.
6. Create a small XML file designed to contain information about student performance on a module. Each student has a name, a roll number, and subject marks.

SECTION D

7. Write a PHP program to demonstrate the use of for each loop statement.
8. a) What happens when an integer arithmetic operation results in a value that cannot be represented as an integer in PHP? Explain.
b) If a string is compared with a number, what happens? Explain.

SECTION E

9. Write briefly:
- a) What is hypertext?
 - b) Define protocol.
 - c) Differentiate between ROWSPAN and COLSPAN
 - d) Describe how you will embed images in a web document.
 - e) What are cookies?
 - f) Why JQuery is needed?
 - g) What is the full form of AJAX?
 - h) What is XML?
 - i) Why server side scripting is important?
 - j) How many bytes are used to store a character in PHP?