

Total No. of printed pages = 2

INT054101

Roll No. of candidate

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2017

End Semester M.Sc. (IT) Examination

1st Semester

WEB TECHNOLOGIES

Full Marks- 70

Pass marks: 21

Time- 3 hours

The figures in the margin indicate full marks.

PART – A

Q.1. Answer all questions:

16 x 1 = 16

- What is IMAP?
- What are the different SMTP phases?
- What is 'this' keyword in JavaScript?
- What is the difference between undefined and not defined in JavaScript?
- What do you mean by DTD?
- Write the syntax for comment in XML document?
- What is XML schema?
- What do you mean by valid XML document?
- What is the problem with CGI script?
- Differentiate between http and https?
- What is middleware?
- What do you mean by flat client and flat server?
- What is ORB?
- Define stub and skeleton?
- Define marshaling and un-marshaling?
- What is SOAP?

PART – B

Q.2. Answer all questions:

4 x 3.5 = 14

- What is negative infinity? How to submit a form using JavaScript by clicking a link?
- What are the CSS frameworks? Why background and color are the separate properties if they should always be set together?
- What are the various types of IP Spoofing?
- What are the advantages offered by application layer firewall?

PART – C

Q.3. Define FTP? What are the types of FTP connection? Explain the different transmission mode of FTP? **1+3+6**

OR

What is mark-up language? What are the relationship between XML, HTML and DHTML? **2+8**

Q.4. How XML can be used? How to convert XML document into HTML and other formats? **3+7**

OR

Write the JavaScript code to validate the following form? **10**

Name	<input type="text"/>	* cannot be blank
Email	<input type="text"/>	* email validate
Phone Number	<input type="text"/>	* 10 digit number
DOB	<input type="text"/>	* dd/mm/yyyy format

Q.5. What is web browser? Explain the working principle of a web browser? **2+8**

OR

What is XML parsing? Explain the different approaches of XML parsing?

Q.6. What is CORBA? Explain the architecture of CORBA with an example? **2+2+6**

OR

What is proxy server? What is its purpose? Explain the different modules in proxy server architecture? **1+2+7**