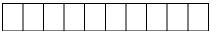


Total No. of printed pages = 2

INT054101

Roll No. of candidate



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:

 $16 \times 1 = 16$

- a) What is IMAP?
- b) What are the different SMTP phases?
- c) What is 'this' keyword in JavaScript?
- d) What is the difference between undefined and not defined in JavaScript?
- e) What do you mean by DTD?
- f) Write the syntax for comment in XML document?
- g) What is XML schema?
- h) What do you mean by valid XML document?
- i) What is the problem with CGI script?
- j) Differentiate between http and https?
- k) What is middleware?
- 1) What do you mean by flat client and flat server?
- m) What is ORB?
- n) Define stab and skeleton?
- o) Define marshaling and un-marshaling?
- p) What is SOAP?

PART - B

Q.2. Answer all questions:

 $4 \times 3.5 = 14$

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

OR

Write the JavaScript code to validate the following form?

10

Name	* cannot be blank
Email	* email validate
Phone Number	* 10 digit number
DOB	* 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