

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014**Seventh Semester**

Branch : Computer Science and Engineering

CS 010 701—WEB TECHNOLOGIES (CS)

(New Scheme—2010 Admission onwards—Regular/Supplementary)

Time : Three Hours

Maximum : 100 Marks

Part A*Answer all questions.**Each question carries 3 marks.*

1. List the basic features of XHTML.
2. Define XML name spaces.
3. Define Hashes in Perl.
4. What is meant by a Cookie ? What are its features ?
5. List the features of Rails Framework.

(5 × 3 = 15 marks)

Part B*Answer all questions.**Each question carries 5 marks.*

6. What are XHTML application to manipulate Tables ?
7. Briefly explain the creation of DTDs with an example.
8. Write a Perl application to read the contents of a text file.
9. Explain regular expressions in PHP with example.
10. What are the functions used for managing asynchronous requests in AJAX ? Explain.

(5 × 5 = 25 marks)

Part C*Answer all questions.**Each full question carries 12 marks.*

11. Explain XHTML tags for processing hyperlinks, images and tables with examples.

Or

12. (a) Explain embedded style sheet with an example.
- (b) Write CSS code for managing font properties.

(6 marks)

(6 marks)

Turn over



13. Explain Schema for specifying XML document structure.

Or

14. Explain the features of XSL with examples.

15. What are the file handling functions in Perl ? Explain.

Or

16. Write CGI script using Perl to validate User name and Password entered through an HTML form.

17. (a) Explain various pattern matching functions in PHP. (6 marks)

(b) Write a PHP script to check whether a given number is prime or not. (6 marks)

Or

18. (a) Explain various methods in PHP to process XHTML forms. (6 marks)

(b) Explain session handling in PHP. (6 marks)

19. (a) Briefly explain Rails form processing. (7 marks)

(b) Write an AJAX application to display response sent by a server. (5 marks)

Or

20. (a) Explain database access from Rails application. (7 marks)

(b) Briefly explain about Rails layouts. (5 marks)

[5 × 12 = 60 marks]