9/11/13

Roll No. | | | | | | | | | | |

B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2013

2

INFORMATION TECHNOLOGY

Second Semester

IT8201 INFORMATION TECHNOLOGY ESSENTIALS

(Regulation 2012.)

Time: 3 Hours | Answer ALL Questions . | Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. How will you create a website?
2. What is the need of authoring tools?
3. What is authoring tool?
4. What do you mean by cookies?
5. What are the different types of networks?
6. Differentiate switching and bridging.
7. What is the advantage in dividing a region into small cells?
8. List the components of digital cell phone.
9. What do you mean by personal information system?
10. List any four social networking applications.

Part – B (5 x 16 = 80 marks)

11. Create a simple interactive calculator application that performs the following operations .
    i.Addition & subtraction (8)
    ii.Multiplication (4)
    Your application should guide the user whenever there is a wrong input. (4)

12. a) i. Create a webpage that prints two lists with any information you want. One list should be an ordered list; the other list should be an unordered list. (8)
    ii. Create a webpage with a link at the top of it that when clicked will jump all the way to the bottom of the page. (8)

(OR)

b) Explain the following with examples.
    i. Application server (8)
    ii. Database server (8)

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13. a) Explain the following with examples.
    i. Multidimensional Arrays (8)
    ii. Sorted Arrays (8)

(OR)

b) Write simple PHP scripts for logging into a website. The first script is the home page. The second script is the login and authentication for members of the website. The third displays the information to the users who have logged in successfully. The fourth scripts logs out a member.

14. a) i.Explain the working principle of Ethernet with illustrations. (12)
    ii.How will you differentiate LAN over WAN? (4)

(OR)

b) Describe with illustration the various protocols involved in data transmission from one node to the other node.

15. a) i. Explain the fundamental working principle of cell phone. (8)
    ii. Explain the common technologies used by cell phone networks for transmitting information. (8)

(OR)

b) i. How does cloning occur? Explain the problems with cell phones. (6)
    ii. Explain how digital cell phones use the radio technology over analog phones. (10)