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Internet Programming

P. Pages : 2

Time : Three Hours

**NRT/KS/19/3498**

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Assume suitable data whenever necessary.
 9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Write short notes on : 4
i) Email ii) Internet
iii) WWW iv) URL
- b) Enlist different text formatting tags in HTML. How will you create an ordered & unordered list in HTML ? Explain with example. 10

OR

2. a) What is use of tag ? Write HTML code to create image as a hyperlink. 7
b) Explain ordered, unordered and definition list with example. 4
c) What is the difference between cell spacing and cell padding ? 3
3. a) How do we add javascript to a web page ? Explain different methods with example. 7
b) What are the object in javascript ? Explain properties methods & events of window object of javascript. 6

OR

4. a) Write a short note on filters and transitions in Javascript. 6
b) Write a Javascript program to sort 10 number in ascending and descending. 7
5. a) Explain the basic structure of XML with each category in detail. 8
b) What is DTD ? Explain data types used in XML schema. 5

OR

6. a) Write XML program for Email document in following two ways ? **7**
i) Using internal DTD
ii) Using External DTD
- b) What is Extensible markup language (XML) ? What is difference in HTML & XML ? **6**
7. a) What is servlet ? Explain servlet life cycle, with appropriate example to demonstrate each stage. **13**

OR

8. Write any servlet code of your choice that demonstrates reading environment parameters & process the same. **13**
9. a) What is the need of JSP ? Explain JSP life cycle in detail. **10**
b) Explain JSP exceptions. **3**

OR

10. a) Explain request & response object used in JSP with example. **5**
b) What is Expression Language (EL) in JSP ? Explain. **8**
11. Explain following key classes in android with example code - **14**
i) Button ii) Text view
iii) Edit text iv) On click Listener

OR

12. a) Outline the steps that an app goes through, before it is ready for installation. **7**
b) What are different android application component ? Write about them in detail. **7**



~ Walt Disney

