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Code No. : 16201 AS N

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
B.E. (CSE: CBCS) VI-Semester Advanced Supplementary Examinations, July-2019

Web Programming and Services

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

1. Distinguish between Java and JavaScript.
2. Write Javascript code to validate the phone number of the format ddd-ddd-dddd.
3. Write a DTD program to display the students details (Name, Address, Phone number).
4. What is namespace in XML?
5. Write a code to connect Database using Device driver.
6. What is cookies in session Tracking?
7. List the various JSP Elements.
8. Write a PHP program for the given number is Armstrong or not.
9. What is REST based web service?
10. What is AWS Lambda? Give an example.

Part-B (5 × 10 = 50 Marks)

- 11.a) What is the use of CSS in DHTML? Explain the methods of using CSS with HTML. Write a suitable program to demonstrate. [4]
b) Explain in detail different JavaScript Objects. Write a JavaScript function to find square(x) where x is 1 to 10. [6]
- 12.a) What is DTD? How is it useful for validating XML? Explain with the help of an example. [5]
b) How many types of JDBC Drivers are present and what are they? Explain them with an example. [5]
- 13.a) What are the limitations of Servlet? [4]
b) Write a Servlet Program to find the biggest of three numbers. [6]
- 14.a) Explain the life cycle methods of JSP. [5]
b) What are the constituents of JSP? Discuss the role of Servlet container for execution of Servlet. [5]
- 15.a) Explain the SOAP message structure and illustrate SOAP with attachment. [5]
b) Explain Web Services architecture. [5]
- 16.a) Explain different types of hyperlinks. Design a webpage to display chapters and chapter contents, apply hyperlink within a page to navigate to chapter contents. [5]
b) Differentiate between Statement and Prepared Statement Object. Write JDBC program using Prepared Statement to store the details of user in database. [5]
17. Answer any *two* of the following:
 - a) What is Servlet Context? Explain the Servlet lifecycle. [5]
 - b) Write a program to create JSTL custom tag print that print the body content number of times mentioned in iter attribute.
<print iter="4">Hello</print> [5]
 - c) Describe the SOAP Actors and architectural design patterns briefly. [5]

