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B.E / B.Tech (FT ) END SEMESTER EXAMINATIONS – APRIL / MAY 2019

COMPUTER SCIENCE & ENGINEERING

FOURTH SEMESTER

CS8402 - JAVA AND INTERNET PROGRAMMING

(Regulation 2012)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. How Java is platform independent ?
2. What are the different identifier states of a thread?
3. How to change the host name to its specific IP address?
4. Comment on Loop Back Address.
5. What are servlets and the stages of servlets lifecycle?
6. What are the two methods of implementing style sheets?
7. Write down the steps for installing web application.
8. Explain the different types of error in PHP.
9. Write a code segment to store current server date in session using Java servlet API.
10. What are the drawbacks of two-step approach in JSP over direct interpretation?



Part – B ( 5 x 16 = 80 marks)  
(Question No.11 is Compulsory)

11. i. What is meant by overriding method? Give Example  
ii. What is meant by package? How is it created and implemented in Java?
12. a) Explain the structure of the HTTP request and response message.  
(OR)  
b) What is socket programming? How Sockets Can Be Used To Write Client-server Applications Using A Connection-oriented Client-server Technique?
13. a) What is the significance of using forms on the web page? Enlist various components used on form.  
(OR)  
b) Develop a web application for Airline Reservation System using AJAX.
14. a) Explain in detail JSP API interfaces and classes with the methods and its function.  
(OR)  
b) Create a PHP and JDBC based online-examination. Prepare the questions of your choice. The students should enter their name and register number before answering the questions. The online exam should contain at least five questions.

Each question should be of multiple choices. The choice of selection should use radio buttons, for each correct answer one mark should be awarded. After attempting all questions, proceed with submit button. After clicking the submit button, display the result with register number, name of the student and marks obtained in a HTML form.

15. a) Design the home page and the following form for the abc.edu web portal. (validate the fields).

**STUDENT REGISTRATION FORM**

School		School Year	Previous School Attended (if outside the Division)	
Legal Surname		Physical Address (Section/Township/Range or Street Address)		
Legal Given Name(s)		Mailing Address		
Name Used		Postal Code	Home Tel. No.	
Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female	Birthdate (y/m/d)		Grade Level	
<input type="checkbox"/> Proof of Age Confirmed (Kindergarten Only)		Birthdate (y/m/d)		
<b>PARENT/GUARDIAN INFORMATION:</b>				
Father (Guardian) Legal Surname		Mother (Guardian) Legal Surname		
Father (Guardian) Legal Given Name		Mother (Guardian) Legal Given Name		
Mailing Address (if different from above)		Mailing address (if different from above)		
Work Tel. No.	Cell No.	Work Tel. No.	Cell No.	
Home No. (if different than above)		Home No. (if different than above)		
E-Mail		E-Mail		
Student resides with: <input type="checkbox"/> Parents <input type="checkbox"/> Mother <input type="checkbox"/> Father <input type="checkbox"/> Guardian <input type="checkbox"/> Foster <input type="checkbox"/> Other		Custody: <input type="checkbox"/> Joint <input type="checkbox"/> Mother only <input type="checkbox"/> Father only <input type="checkbox"/> Guardian <input type="checkbox"/> Other (provide)		
If your child is a foster child please provide: Agency: Address: Workers Name: Tel. No.:                      Fax No.:		The named has been denied access by court order: First Name/Surname <input type="checkbox"/> Copy of legal document on file at school		

(OR)

- b) "There are many different types of blogs, differing not only in the type of content, but also in the way that content is delivered or written." List down the types of blogs and explain in detail with an example.



03-05-19  
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