

Code No: **R32055**

R10

Set No. 1

III B.Tech II Semester Supplementary Examinations, November - 2017

ADVANCED JAVA AND WEB TECHNOLOGIES

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

- 1 a) Describe how HTML and CSS complement each other in building rich WebPages? [8M]
b) Write a script illustrating java script events. [7M]
- 2 a) Write a short note on PHP math functions. [7M]
b) Write a PHP script to display the current time of the day at the server with in a webpage. [8M]
- 3 a) Explain the DOM structure for a simple document. [8M]
b) What is DTD? Explain the difference between external DTD and internal DTD. [7M]
- 4 a) What are the classes defined in java beans? Explain them briefly. [8M]
b) How a bean can be used in a web document? Discuss with an example. [7M]
- 5 a) Describe a typical Servlet life-cycle scenario. [8M]
b) Write a brief note on session tracking. [7M]
- 6 a) What are JSP documents? Explain in detail about scriptlets. [8M]
b) Explain JSTL control action elements. [7M]
- 7 a) Describe how we can use the MVC methodology within Struts2. [8M]
b) What are action classes in Struts? Illustrate them with an example. [7M]
- 8 a) Explain the characteristics of AJAX that help it achieve its goals. [8M]
b) What is UDDI? Explain Service discovery with UDDI registries. [7M]

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