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**Question Paper Code : 71708**

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Seventh Semester

Electronic and Communication Engineering

EC 6008 – WEB TECHNOLOGY

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define class and object. Give example.
2. State the significance of static keyword.
3. "UDP is more reliable than TCP protocol" Why?
4. Write a simple program that can read a host name and convert it to an IP address.
5. What is DTD? Give example.
6. How is XML parsing done with SAX?
7. Give an example for array creation in Java Script.
8. What is an array?
9. State the purpose of using hibernate.
10. List the core features of spring framework.

PART B — (5 × 16 = 80 marks)

11. (a) Define a thread. Write a java program to create multiple threads and explain the same. (16)

Or

- (b) What is an applet? Explain the a life cycle of an applet. (16)

12. (a) Write a java program to implement UDP echo client and server. (16)

Or

(b) Explain in detail the various steps used for implementing remote method invocation. (16)

13. (a) (i) What is XML schema? Explain with an example. (8)  
(ii) High light the features of Java Script. (8)

Or

(b) High light the features of the following. (8)

(i) DOM. (8)

(ii) AJAX. (8)

14. (a) Explain with diagrammatic illustration the lifecycle of a servlet. (16)

Or

(b) Explain the EJB architecture and outline the types of beans. (16)

15. (a) (i) Explain with an example MVC architecture. (8)  
(ii) What are struts? Outline the working principles of struts. (8)

Or

(b) Explain with an example the process of developing an application with spring framework. (16)