**BEH-5**

**Seventh Semester B. Tech Chemical Engineering**

**Examination Aug/Sep-2015**

**Process Simulation & Design**

**Time: 3Hours Max. Marks:-75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. What do you mean by services in the solution?
2. Write a short note on cache architecture.
3. Mention the opportunities for user empowerment.
4. Write down the application of a modular process simulator.
5. Comment on Layered Architecture.
6. How to optimize a process?
7. Consider the techniques for validating conceptual design.

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Describe the principles of radioactive Waste Management.
2. What is creativity? Clarify the process of creativity.
3. What is the solution for the depropanizer system, aspen IPE mechanical design?

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Elaborate the concept of DBCP.
2. Write a detail note on the following:
   1. Environmental Rehabilitation
   2. Economical Rehabilitation
3. Describe the list of Industrial Disasters.