**Birla Institute of Technology & Science, Pilani**

**Work-Integrated Learning Programmes Division**

**Second Semester 2017-2018**

**Mid-Semester Test**

**(EC-2 Regular)**

Course No. : SS ZG514

Course Title : OBJECT ORIENTED ANALYSIS & DESIGN

Nature of Exam : Closed Book

Weightage : 30%

No. of Pages = 1

# No. of Questions = 6

Duration : 2 Hours

Date of Exam : 04/03/2018 (FN)

Note:

1. Please follow all the *Instructions to Candidates* given on the cover page of the answer book.
2. All parts of a question should be answered consecutively. Each answer should start from a fresh page.
3. Assumptions made if any, should be stated clearly at the beginning of your answer.
4. How System Sequence Diagram & Use Cases are related to each other. Explain with PoS example in detail. [5]
5. Which are different formats of Use Cases? Map all these use case formats with phases of UP. [5]
6. Identify Domain Concepts and draw Domain Model for following scenario… [5]

Minerva Restaurant is leading in providing Veg & Non-Veg Food to customer. It is provided the facility of home delivery with minimal charges.

It also serves food in the restaurant. There is no waiter in Minerva Restaurant, as it believes in Self Study.

In Minerva Restaurant there are 3 Veg and 4 Non-Veg Counters. At every counter, there is one service person in Minerva Uniform.

On weekdays, there is no waiting queue. But on Saturday,Sunday, there is waiting queue of Customers.

1. How UP Model is Iterative in nature? How being iterative is advantageous over Waterfall Model? Explain. [5]
2. Explain significance of Extension (Alternate Scenario) in Fully Dressed Use Case with example. [5]
3. Differentiate role of an Analyst and Designer on at least 3 points. [5]

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