

7. The famous digital eatery at Durbar Marge, "Naulo Restaurant", which is designed by IIT graduate engineers, processes everything either through Robot or with digital device, "robot food preparation and cooking. Every table-top is equipped with large tablet screen displaying the table each customer selects the food items they would like to order once the customer selects the items, the restaurant system automatically dispatches the food items selected as the order to the kitchen unit of the restaurant. Again, when the food "will get called in by kitchen unit for the number through system. The food plate, which delivers the food up to the customer is delivered and due bill is generated for the food item of that table. This process might be repeated for multiple times as the additional food ordering and serving might happen frequently. Finally, the customer pays accumulated bill either by swiping the credit card or through online payment order; the process, order dispatching process, food delivery and paper bill carrying up to the table-through humans are eliminated so, they claimed it as complete digital restaurant. Now answer the followings: [6x3]

- i) Prepare the USE case
- ii) Prepare activity diagram
- iii) Prepare the sequence

8. Compare the followings: [4x4]

- i) Conceptual model vs. Implementation model
- ii) Forward Engineering vs. Reverse Engineering
- iii) Association types vs. Cardinality constraints
- iv) Design pattern vs. Components reuse















