

Navrachana University

School Of Business And Law

End Semester Examination : May 2017

SYBCA (Sem-IV)

CA107 : System Analysis and Design using O-O Methodology

Date: 11/5/2017

Time: 1-3 pm

Total Marks: 40

Q:1 Explain object design steps (7m)

OR

Q:1 Explain implementation of control in terms of object (7m)

Q:2 Read the paragraph , and draw the required diagrams:

Sequence diagram (10 m)

Collaboration diagram (10 m)

Commuter who needs to buy a ticket. Ticket vending machine will request trip information from Commuter. This information will include number and type of tickets, e.g. whether it is a monthly pass, one way or round ticket, route number, destination or zone number, etc.

Based on the provided trip info ticket vending machine will calculate payment due and request payment options. Those options include payment by cash, or by credit or debit card. If payment by card was selected by Commuter, another actor, Bank will participate in the activity by authorizing the payment.

Q:3 Explain categories of UML diagrams. Explain in detail : Interaction diagrams (7m)

Q:4 Comment on efficient usage of UML diagrams in Object oriented analysis. (6m)