PART-A

1. Write a simple PL/SQL block to.

      1. Print the fibonacci series.
      2. Print the factorial of a given number.
      3. Print 'NOT confirmed' based on the reservation status, of a particular passenger.
      4. Print the total seats available for a particular train and for a particular class.

2. Write a cursor for the following.

      1. Retrieve the passenger details for "x" train number and given journey date.
      2. Display the train name(once) and the substation names.
      3. Display the fare details of a particular train(use basic exceptions)
      4.Write a cursor to update the reservation status of the passengers(generate seat number, if seats have reached maximum, put wating list number(30% of total seats), if waiting list number reaches maximum, put PQWL(10%of total seats), RAC-20%)

PART-B

1. Write a PL/SQL procedure to.

      1. List the details of passengers who has reserved next to "Mr. X".
      2. PNR No. of a passengers for a given source and a destination.

2. Write a PL/SQL function to.

      1. Get the PNRNo and return the total ticket fare.
      2. Get the Passenger name , train no and return the total journey time in hours and mintues.

PART-C

Write a Trigger for the following:

1. When a passenger cancels a ticket, do the necessary process and update the cancellation history table.
2. When train number is changed, update it in referencing tables.
3. When a passenger record is inserted reservation status should be automatically updated.