POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: System Analysis and Design

Semester: Spring

Year : 2021
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.
Attempt all the questions.

1. a) What are the differences between internal users and external users? What kind of knowledge and skills should a system analyst possess? 8

   b) What do you mean by cross lifecycle activity? Explain model driven development strategy. 7

2. a) What is Information system building block? Explain the different views of different stakeholder in knowledge building block. 8

   b) What is structured analysis? How it is different from object oriented analysis? Explain with example. 7

3. a) Differentiate between problem analysis phase and requirement analysis phase. Explain tasks of requirement analysis phase in system analysis. 8

   b) What do you mean by requirement discovery? Explain the process of requirement discovery in detail. 7

4. a) What are the importance of use case modeling in system analysis and design? Explain use case modeling considering an example. 8

   b) Develop a logical DFD for the system made up of the following:- 7
   B & B is a mail-order company that distributes CDs, DVDs of music, games, movies, software at discount prices to club members. When an order processing clerk receives an order form, he or she verifies that the sender is a club member by checking the Member file. If the sender is not a member, the clerk returns the order along with a membership application form. If the customer is a member, the clerk verifies the order item data by checking the item file. Then the clerk enters the order data and saves it to the Daily Order file. The clerk also prints and invoice and shipping list for each order, which are forwarded to Order Fulfillment Department.

5. a) What do you mean by computer aided system Engineering (CASE)? 7

b) How feasibility Analysis is done in system Analysis?   8

6. a) Difference between " The Buy Solution "and " The Build Solution ".   7

    b) What is ERD? What do you understand about 1NF, 2NF and 3NF in   8
      a data model?

7. Write short notes on **any two**:   2×5
    a) Fact finding strategy
    b) Business process redesign methods
    c) Project Management and Use case