

TDC Odd Semester Exam., 2020  
held in July, 2021

COMPUTER APPLICATION  
( Honours )

( 3rd Semester )

Course No. : BCAC-303

( System Analysis and Design )

*Full Marks : 35*

*Pass Marks : 12*

*Time : 2 hours*

*The figures in the margin indicate full marks  
for the questions*

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. What is meant by analyst/user interface?  
Discuss various issues involved in analyst/  
user interface. 2+5=7
  
2. Draw a neat diagram of a system  
development life cycle and explain each  
module in brief. 7

UNIT—II

3. What is meant by structured analysis?  
Discuss various tools of structured analysis. 2+5=7
  
4. What do you mean by feasibility study?  
Discuss different types of feasibility studies. 2+5=7

UNIT—III

5. (a) Explain the concepts of logical design  
and physical design of a system. 4  
(b) Explain the database design issues for  
system design. 3
  
6. (a) What do you mean by data validation?  
Explain the need of data validation. 3  
(b) What do you mean by file? Explain the  
structure and organization of files  
briefly. 4

UNIT—IV

7. Discuss different types of system test. Why is  
system testing required? 7
  
8. Discuss different levels of quality assurance.  
What is post-implementation review? 7

( 3 )

UNIT—V

9. Describe the concept of Gantt chart.  
Illustrate the procedure for selection of  
hardware and software for a system.     2+5=7
  
10. Discuss different threats to system security.  
Define access control.                             7

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