

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

COMPUTER SCIENCE

( Honours )

( 3rd Semester )

Course No. : BCSH-301

( 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. Discuss the various roles of a system analyst. 7
2. (a) What are the various elements of a system? 5
- (b) What is SDLC? Name the steps of SDLC. 2

UNIT—II

3. Define and describe (a) background analysis and (b) cost/benefit analysis.  $3\frac{1}{2}+3\frac{1}{2}=7$
4. What is structured analysis? Why is it important? What are the various tools of structured analysis?  $1+1+5=7$

UNIT—III

5. What is the significance of structured work-through? Discuss the concepts of logical and physical designs.  $2+5=7$
6. Describe form design in full. 7

UNIT—IV

7. Write short notes on the following :  $3\frac{1}{2}+3\frac{1}{2}=7$   
(a) Post-implementation review  
(b) Software maintenance
8. Why is system conversion important? Explain it with a proper diagram. 7

( 3 )

UNIT—V

9. Write a short note on hardware/software selection method. 7
10. (a) Describe system security. 5
- (b) What is project control? 2

★ ★ ★