

Code : 303203

BCA 2nd Semester Exam., 2018

SYSTEM ANALYSIS AND DESIGN

Time : 3 hours

Full Marks : 60

Instructions :

- (i) All questions carry equal marks.
- (ii) There are **SEVEN** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question Nos. 1 & 2 are compulsory.

1. Answer any six of the following :

- (a) Define system.
- (b) Define closed system.
- (c) Define physical system.
- (d) What do you mean by static system model?
- (e) Define MIS.
- (f) Define DSS.
- (g) What do you mean by initial investigation?
- (h) Define system planning.
- (i) Define structure chart.

2. Answer any three short type of questions :

- (a) Briefly explain the concept of prototyping.
- (b) Distinguish between interaction and interdependence.
- (c) What is system development life cycle? How does it relate to system analysis?
- (d) What do you mean by strategic and operational planning?
- (e) Distinguish between validity and reliability.

3. Discuss in detail top-down approach to system planning.

4. What are the dataflow diagrams? How are they different from structure charts?

5. Discuss the behavioural issues involved in understanding the analyst/user interface.

6. Under what circumstances would the analyst depend more heavily on external than internal information? Why?

7. Define the term quality assurance. Discuss its importance in system design.

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( Turn Over )