

NEW

2015

BCA

2nd Semester Examination
SYSTEM ANALYSIS AND DESIGN

PAPER—1205

Full Marks : 100

Time : 3 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer Question No. 1 and any five from rest.

- I. Answer any five questions : 5×2
- (a) Differentiate between logical system description & Physical System description.
- (b) What do you mean structured and unstructured information ?

(Turn Over)

- (c) Why do system Analyst need management skills when a job is technical ?
- (d) What is reusability ?
- (e) Write down the difference between unstructured and structured interview ?
- (f) What is necessity of system analysis ?
- (g) What is verification ?
2. (a) What is Prototyping ? What are its advantages ?
How can a prototype be developed ? 2+2+2
- (b) What is feasibility study ? What is the difference between technical feasibility and operational feasibility? 3 + 3
3. (a) What is Decision table ? What are the components of a decision table ? Explain the structure of a decision tree ? 2+3+3
- (b) What is DFD ? What are the basic notations that are used to draw DFD ? 2+2
4. (a) Discuss the role of the DBA ? 4
- (b) What is modeling ? Discuss different type of model. 2+6

5. (a) What is testing ? Briefly explain the different types of testing carried out for major project. 2+6
- (b) Differentiate between Black box and White box testing approach. 4
6. (a) Explain quality assurance. 3
- (b) Why Data Dictionary is important in structured Analysis ? What are the advantages of Data Dictionary ? 2+2
- (c) Explain MIS. Explain its significance in management. 3+2
7. (a) Discuss the different types of maintenance along with the changes made to the system in each type of maintenance. 6
- (b) What is Documentation ? Why we need documentation ? Briefly discuss the proces of documentation. 1+2+3

8. Write short notes on (any *three*):

3×4

(a) Decision Tree ;

(b) Modelling ;

(c) Cost / benefit analysis ;

(d) Configuration Management ;

(e) SRS ;

(f) PERT.

[Internal Assessment — 30]
