NEW

2018

BCA

2nd Semester Examination

SYSTEM ANALYSIS AND DESIGN

PAPER—1205

Full Marks : 100

Time : 3 Hours

The figures in right-hand 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 Q. No. *1* and any *four* from the rest.

1. Answer any *five* questions. 5×2

(a) Differenciate between flow chart and structure chart.

(b) Differenciate between adaptive and Non-adaptive system ?

(c) What is the purpose of system testing ?

(d) What is data model ?

(e) Distinguish between validation and verification.

(f) What is Data Dictionary ?

(g) What is structured analysis ?

2. Describe three levels of a organisational structure ? What is SRS ? What are the characteristic of a good SRS ? Describe Economic feasibility. Why feasibi;ity study need ? 5+2+3+3+2

3. What is process modelling ? Why documentation is needed ? Describe the skill of system Analyst ? Function of DBA ? What are the types of Files used in an organisation system. 2+3+4+3+3

4. (a) Draw a context diagram and level—1, level—2 diagram of E-learning project ?

(b) What is the role of users during system analysis and design ?

(c) Difference between Black box and white box testing ?

(d) What is incompleteness of inconsistency ? 6+4+3+2

5. (a) Discuss various categories of Cost/benefit and procedure for Cost/benefit analysis ?

   (b) What are the common impacts of CASE on individuals within organisation.

   (c) What is prototyping ? What are its advantages ?

8+4+1+2

6. (a) What are the main components of a computer based information system ? 3

   (b) Why is system analysis necessary ? 4

   (c) Write the difference between DFD and structure chart. 4

   (d) Whar are logical and physical DFD ? 4

7. (a) What is Gnatt charts ?

   (b) What is Debugging ?

   (c) Explain types of Data Processing.

(d) Distinguish between Rollback and Rollforward ?

(e) What is modularization ? 2+2+6+3+2

[Internal Assessment—30 Marks]