

NEW

2015

MBA 3rd Semester Examination

STRUCTURED SYSTEMS ANALYSIS AND DESIGNING

(Specialisation : Operations and Systems Management)

PAPER—OS-302

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.

1. Answer any *eight* questions of the following : 5×8
- (a) What is software architecture ?
 - (b) Define the term software reliability and software quality.

(Turn Over)

- (c) Enumerate different data flow architectures.
- (d) What is transaction mapping ? How it is used in software design ?
- (e) What are the advantages of layered software design ?
- (f) Differentiate between system testing and user acceptance testing.
- (g) Write a short note on "Modular Coupling".
- (h) What is software specification ?
- (i) What is Delphi cost estimation technique ?
- (j) Define and discuss software reengineering.
- (k) What do you understand by automatic program testing ?
- (l) Briefly explain the three levels of quality assurance.

2. Answer any *four* questions of the following : 10×4

- (a) Discuss in detail the data modelling activities.
- (b) Write briefly about the utility of state transition diagram in analysis modelling activity.

- (c) (i) What is the purpose of an Inventory Control System ?
(ii) Can an Inventory Control System also be a Decision Support System ?
- (d) (i) What is structured analysis?
(ii) List out the various tools used for structured analysis.
- (e) Discuss in detail about hardware selection and managing system implementation.
- (f) Describe elaborately the concept of Software Project Management Plan (SPMP).

[Internal Assessment : 20]