

S.No. 641

08PCZ13

(For the candidates admitted from 2008–2009 onwards)

M.Com. DEGREE EXAMINATION, NOVEMBER 2017.

Fourth Semester

Computer Applications

SYSTEM ANALYSIS AND DESIGN

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) Explain the advantages of database management system.

Or

- (b) What do you mean by data independence? Explain its types.

2. (a) Explain in brief the advantages of the client/server database.

Or

- (b) Explain the 2-tier model of client/server database.

3. (a) List out the activities involved in the "Design" phase of system development life cycle.

Or

- (b) What is system? Explain classification of system.

4. (a) State and explain the various types of feasibility study.

Or

- (b) How system planning is important for any system?

5. (a) "Carbon paper as form copier". Explain.

Or

- (b) Explain the methods of transferring impressions between copies.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

All questions carry equal marks.

6. (a) Enumerate different types of the database languages.

Or

- (b) Discuss about Codd's rules of relational database in detail.

7. (a) Describe the security risks in the database systems.

Or

- (b) Discuss 1NF, 2NF, 3NF and BCNF using appropriate examples.

8. (a) What is systems analysis? Discuss various elements of systems analysis.

Or

- (b) Discuss the various approaches of system development.

9. (a) Discuss "Questionnaire" as a method of fact finding. Comment on its usefulness by giving an example.

Or

- (b) How system planning is important for any system? Discuss.

10. (a) Discuss the essential requirements of form design in detail.

Or

- (b) Describe the different types of system testing.