

**STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2004-05 & thereafter)**

SUBJECT CODE : CA/MC/SA34

**B.C.A. DEGREE EXAMINATION – NOVEMBER 2007
THIRD SEMESTER**

REG. NO. : _____

**COURSE : MAJOR CORE
PAPER : SYSTEM ANALYSIS AND DESIGN
TIME : 20 MINUTES**

MAX. MARKS : 20

TO BE ANSWERED ON THE QUESTION PAPER ITSELF :

**SECTION – A (20X1=20)
ANSWER ALL THE FOLLOWING :**

I Choose the best answer :

1. _____ places the responsibility for developing applications in the hands of end-user.
a) End-user application b) End-user development strategy
c) End-user development d) Personal system
2. _____ are the building blocks for all other data in the system.
a) Data Structure b) Data Elements
c) Data Norms d) Data Description
3. Which one is the Element of the Design.
a) Design of files b) Design of input
c) Controls d) Coding Systems
4. _____ serves as an archive of information for the programmers.
a) External Program Library b) Internal Program Library
c) Data Dictionary d) Repository
5. _____ testing focuses first on the module.
a) Alpha Testing b) Peace Load
c) Performance d) Unit Testing
6. To produce a new estimate
a) Estimate = most pessimistic + 4 × most likely + most optimistic
b) $E = mp + 2(ml) + mo$
c) $E = mp + 3(ml) + mp$
d) $E = m + 6(ml) + mp$
7. _____ is the review of software products documentations reliability.
a) Quality assurance b) Status Reporting
c) Fact – finding d) Synchronisation

- 8. First Stage of Testing
a) Beta b) Alpha c) Unit d) Black – Box
- 9. An _____ is designed to permit filing of any input record.
a) Audit report b) Questionar c) trailing d) none of the above
- 10. _____ is a matrix of rows and columns
a) Decision Table b) Decision Tree
c) Data flow d) Decision concepts

II Fill in the blanks :

- 11. _____ refer to the process of examining a business situation.
- 12. When there is a dependency between two events but no time (or) resource are consumed it is called a _____.
- 13. _____ is the measure of the level of system features such as input and output methods.
- 14. A _____ is a working system.
- 15. Analyst should exam the table for _____ and _____.

III True or False :

- 16. Milestone marks significant points in the development.
- 17. Transaction systems are operational oriented.
- 18. Contract negotiation is a legal process.
- 19. Data stores is not a temporary collection of data.
- 20. When the request is made the first system activity is preliminary investigation.



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TIME : 2HOURS & 40 MINUTES **MAX. MARKS : 80**

SECTION – B

(8X5=40)

ANSWER ANY EIGHT OF THE FOLLOWING

1. What are tools used for system development?
2. What is a data dictionary? Explain.
3. How would you estimate time requirement using function points?
4. What methods are used in planning information system for businesses?
5. Write a note on decision tables?
6. Write a note on the Network topologies.
7. How PERT network is used in time estimation with example.
8. Write short note on software flexibility?
9. What are the objectives in designing an information system.
10. Explain project team concepts.

SECTION – C

(4X10=40)

ANSWER ANY FOUR OF THE FOLLOWING

11. Describe classical system development life cycle.
12. Write a note on Testing Strategies.
13. Explain the role of system analyst.
14. What is the purpose of a preliminary investigation?
15. Write a note on Hardware Selection.
16. What are information systems categorise them?

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