

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

**SUBJECT CODE: CA/MO/BI54**

**B.C.A. DEGREE EXAMINATION – NOVEMBER 2008  
FIFTH SEMESTER**

**REG. NO. \_\_\_\_\_**

**COURSE : MAJOR OPTIONAL**

**PAPER : BUSINESS INFORMATION SYSTEMS**

**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 correct answer:**

1. Replacing mainframe systems with client/server networks is \_\_\_\_\_  
a) Downsizing                      b) Reengineering              c) Networking                      d) None
2. Data about the performance of the system is \_\_\_\_\_  
a) quality                      b) debugging                      c) feedback                      d) all the above
3. A system with software that can analyze and display data using digitized maps to enhance planning and decision making best describes:  
a) geographic information system                      b) executive support system  
c) demographic analysis system                      d) location analysis system
4. Each of the following is a DSS component EXCEPT:  
a) database              b) software system              c) user interface              d) inference engine
5. The technology for finding hidden patterns and relationships in large databases and inferring rules from them to predict future behavior best describes:  
a) data warehousing                      b) knowledge acquisitions  
c) determining                      d) data clustering
6. Models that ask “what-if” questions repeatedly to determine the impact of changes in one or more factors on outcomes best describes:  
a) optimization analysis                      b) sensitivity analysis  
c) forecasting                      d) goal-seeking
7. According to the textbook, National Gypsum uses its DSS application for:  
a) identifying customer buying patterns and fraud detection  
b) price, advertising and promotion selection  
c) defense contract analysis  
d) corporate planning and forecasting

- 8. An information system at the strategic level of an organization designed to address unstructured decision making through advanced graphics and communications best describes:
  - a) decision-support system
  - b) executive support system
  - c) management information system
  - d) group decision support system
  
- 9. Expert system can:
  - a) learn from experience
  - b) be a broad knowledge based systems
  - c) be computer based information system
  - d) make subjective managerial decisions effectively
  
- 10. A useful tool used during the electronic meeting activity of idea generation is:
  - a) group matrix
  - b) policy formation
  - c) topic commenter
  - d) personal productivity

**II Fill in the blanks:**

- 11. \_\_\_\_\_ is a support group for an organization and users
  
- 12. \_\_\_\_\_ is whether hardware and software are working properly for end users.
  
- 13. The buying, selling, marketing and servicing of products over the internet and other networks \_\_\_\_\_.
  
- 14. Collecting and periodically processing transaction data is called \_\_\_\_\_.
  
- 15. A \_\_\_\_\_ is organizations reason for being.

**III Expand the following:**

- 16. SDLC
- 17. CASE
- 18. OLTP
- 19. GDSS
- 20. EDI

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

**SECTION – B**

**ANSWER ANY EIGHT OF THE FOLLOWING QUESTIONS: 8X5=40**

1. Draw and explain the frame work of information system.
2. Write a short note on feasibility study.
3. How does information technology affect the structure and work flow of modern organization.
4. Explain briefly the components of an Expert System.
5. Discuss about the hardware evaluation factors.
6. What are the characteristics of a system.
7. Discuss about information system controls.
8. Write short note on DSS.
9. Explain the different types of planning.
10. How do you protect your system from spam?

**SECTION – C**

**ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS: 4X10=40**

11. How important is IT to the globalization of a Business. Give examples to illustrate your answer.
12. Explain in detail about information system resources.
13. Explain Expert System.
14. Write short note on the following
  - a) CSF (Critical Success Factors)
  - b) Business system planning approach.
15. Discuss the Ethical and societal dimensions of IT.
16. Write a note on Systems approach for problem solving. Illustrate your answer with an example.

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