

MAY 2012

**P/ID 77527/  
PMEL/PMBS3**

---

Time : Three hours

Maximum : 100 marks

PART A — (5 × 6 = 30 marks)

Answer any FIVE questions.

All questions carry equal marks.

1. Distinguish between MIS, DSS and ESS.
2. Explain the applications of decision support system.
3. Briefly discuss on simulation model for DSS.
4. What do you understand on modeling languages?
5. Give a note on query facility and data management.
6. Analyse the application of graphics in dialog management.
7. What is the natural language processing in dialog management? Explain.
8. How does data acquisition help in development of DSS?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

9. Describe the components and characteristics of DSS with suitable diagrams.
10. Explain the different types of models used for modeling of DSS.
11. Discuss the role of database and database management system in DSS.
12. Explain the DBMS as DSS development tool with suitable diagrams.
13. What is user interface? Explain the importance of user interface in dialog management.
14. Illustrate various tools used for dialog management in DSS.
15. Describe the steps and process of DSS development.
16. List the software and hardware requirements of DSS development. Explain the interrelationship of these tools with other software packages.

PART C — (20 marks)

Compulsory.

17. Assume a large hospital service located in a metropolitan city. The hospital provides multispeciality services with ultra modern facilities. If a new decision support system is developed for this organisation, explain the following :
- (a) Model management.
  - (b) Data management system.
  - (c) Development of dialog management and implementation.
-