MCA 4th Semester Examination, 2013

MANAGEMENT SUPPORT SYSTEM

PAPER – CS-MCA - 405

Full Marks : 100

Time : 3 hours

Answer any **seven** question

The figures in the right-hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. What are the basic managerial functions of an organisation ? State different characteristics of management.   3 + 7

2. How do you define a market ? Classify market on the basis of any *four* criteria and briefly explain them.   5 + 5

3. Define DSS. (Decision Support System) Why and when an organisation uses a DSS ? Why is the role of Knowledge Management so important for decision support ?   2 + 4 + 4

4. What is a Data Warehouse ? What are its benefits ? Briefly state the architecture of a Data Warehouse.   3 + 3 + 4

5. Show the similarities between DBMS and MBMS. What are the differences ? A firm manufactures three products A, B and C. The profits are Rs.3, Rs.2 and Rs.4 respectively for each unit of the products. The firm has two machines and below is the required processing time in minutes for each machine on each product. Machine X and Y have 2000 and 2500 machine-minutes respectively.

		Product		
		A	B	C
Machines	X	4	3	5
	Y	2	2	4

The firm manufactures 100 A's, 200 B's and 50 C's but not more than 150 A's. Set up a LPP to maximize the profit and identify the variables.

4 + 6

6. How do you define forecasting ? Discuss the basic four methods of forecasting. 3 + 7

7. Discuss the role of graphics in decision making. How Keyword search method works and what is the drawback of this method ? 4 + 6

8. What is a DSS generator ? Compare stand-alone package to integrated package. 'Selection of a software tool and DSS generator is a difficult process', explain. 2 + 2 + 6

9. Discuss the major three phases of system analysis conducted during a DSS project. 10

10. Write short notes on (any two) : 5 × 2

   (i) Advantages and disadvantages of simulation.

(4)

(*ii*) Advantages and disadvantages of RAD.

(*iii*) 'Dysfunctions' of GDSS.

[*Internal Assessment* : 30 Marks]

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