Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/B.Tech(IT-OLD)/SEM-6/IT-602/2013
2013
MANAGEMENT INFORMATION SYSTEM

Time Allotted : 3 Hours   *Full Marks* : 70

The figures in the margin indicate full marks.

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

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following :

    $10 \times 1 = 10$

    i)   GIS is a type of

    a)   EIS   b)   MIS

    c)   DSS   d)   none of these.

    ii)   Artificial intelligence is most probably used in

    a)   Expert systems   b)   MIS

    c)   TPS   d)   none of these.

    iii) Which one of the following is a type of system in MIS ?

    a)   Parabolic   b)   Preemptive

    c)   Parasitic   d)   Probabilistic.

    iv)   Which one of the following is a phase of SDLC ?

    a)   System behaviour   b)   Product marketing

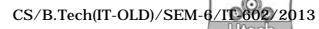   c)   System testing   d)   System observation.

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v) The full form of BPR is

a) Business Process Reengineering

b) Basic Process Remodeling

c) Business Process Revolution

d) Business Processing Rate.

vi) Which one of the following is a tool for decision making ?

a) Adjacency matrices   b) Payoff matrices

c) Diagonal matrices   d) Inverse matrices.

vii) Which one of the following is associated with the basic concept of SCM ?

a) ERP   b) MRP

c) VIM   d) MRS.

viii) The D in 'ACID' property stands for

a) Duration   b) Durability

c) Data mining   d) Duality.

ix) 3 phases of Simon's model are

a) planning, staffing, controlling

b) planning, design, controlling

c) intelligence, design, choice

d) none of these.

x) Information minus noise amounts to

a) Wisdom   b) Knowledge

c) Intelligence   d) More information.

GROUP – B
(Short Answer Type Questions)
Answer any *three* of the following.   3 × 5 = 15

2.   Explain the following items :

   a)   Management reporting system

   b)   Thumb rule.   3 + 2

3.   What are the roles of a manager in an organization ?

4.   What is system ? Explain open and closed systems.   1 + 4

5.   What is planning ? Write down the tools of planning.   1 + 4

6.   Write down the features of SCM.

GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.   3 × 15 = 45

7.   a)   Explain the design phases of MIS.

   b)   Distinguish between conceptual, logical and physical depictions of MIS.

   c)   Describe the need of MIS in management.

   d)   Explain briefly the modules used in MIS.   3 + 4 + 4 + 4

8.   a)   What is DSS ?

   b)   Discuss the components of DSS.

   c)   What is payoff matrix ? Give the payoff matrix cell computations for given each case/(strategy) using given data :

	Competitor	*Shifting*	*No change*
Probability	0.3	0.2	0.5
Strategy			
Renovate	– 50	20	70
Change	– 30	30	40
No change	– 10	10	20

d) State Bank of India offering the following scheme on fixed deposits :

Case deposit 1 : For deposit upto 1 year, the interest rate is 10%

Case deposit 2 : For deposit upto 2 years, the interest rate is 12%

Case deposit 3 : For deposit upto 3 or more years, the interest rate is 14%

Case deposit 4 : 2% additional interest rate is paid to shareholders

Prepare a decision tree on the above circumstances.

1 + 4 + 5 + 5

9. a) What is ERP ? What are the tools available for development of an ERP ?

b) Briefly describe the tangible and intangibe benefits of ERP.

c) Discuss about the different phases in implementation of ERP in a company. (1 + 4) + 5 + 5

10. a) What do you mean by Transaction Processing System ?

b) Explain the Transaction Processing life cycle with proper diagram.

c) Briefly explain the different methods of Transaction Processing system.

d) What is office information system ? 2 + 6 + 5 + 2

11. Write short notes on any *three* of the following : 3 × 5

a) Customer Relationship Management (CRM)

b) Knowledge based system

c) Business Process Reengineering

d) Strategic planning

e) Geographic information system (GIS).