*Name :* ...............................................................

*Roll No. :* ...........................................................

*Invigilator's Signature :* ......................................

## CS/MBA/SEM-2(PT)/MB-103/2013

# 2013

# MANAGEMENT INFORMATION SYSTEMS - I

*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 × 1 = 10

    i)   Which one of the following characteristics of mesh network ?

        a)   It controls cable cost

        b)   It needs a token to operate

        c)   It offers improved reliability

        d)   It is cheap.

    ii)  Which one of the following would help your laptop communicate with the server of your network ?

        a)   Another laptop        b)   Switch

        c)   Hypertext             d)   None of these.

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iii) What is symmetric key cryptography ?

    a) 2 different keys are used

    b) No encryption & decryption is done

    c) Single key is shared between sender and receiver

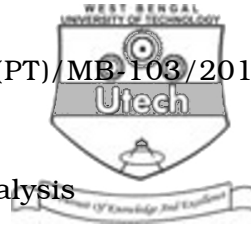    d) 2 private keys are used between sender and receiver.

iv) What is half-duplex ?

    a) Data flows in one direction only

    b) Data flows in both directions at the same time

    c) No such method exists

    d) Data flows in both directions but not at the same time.

v) Which is a computer threat ?

    a) Vandalism        b) Firewall

    c) Social-networking    d) Firmware.

vi) In a spreadsheet, a statement that performs a calculation is called a/an

    a) Formula        b) Reference

    c) Argument      d) Parameter.

vii) The advantage of using a spreadsheet is

    a) calculations can be done automatically

    b) changing data automatically updates calculations

    c) more flexibility

    d) all of these.

viii) Validation testing is performed by

    a) Alpha test

    b) Beta test

    c) Gamma test

    d) System acceptance test.

ix) The first step in SDLC is

    a) Preliminary investigation and analysis

    b) System design

    c) Signing a contract for software development

    d) Database design.

x) CASE tools are required to

    a) Supply the management

    b) Improve organizational performance

    c) For software development

    d) Enhance profitability through the points (a) and (c).

## GROUP – B

### ( Short Answer Type Questions )

Answer any *three* of the following.      3 × 5 = 15

2. Differentiate between Internet, Intranet and Extranet.

3. What is data communication ? What are the different characteristics of data communication ?      2 + 3

4. What is e-commerce ? Mention the advantage and disadvantage of e-commerce.      2 + 3

5. Briefly describe on the applications of networking.

6. What is decision support system ? What are the components of decision support system ?      2 + 3

7. Write a note on limitations of waterfall model.

## GROUP – C

### ( Long Answer Type Questions )

Answer any *three* of the following.    3 × 15 = 45

8. Define the term management Information System and elaborate as to why it is needed in business organization. Discuss the impact in terms of faster rate of obsolescence of technology in the era of information technology.    8 + 7

9. Define e-marketplace ? Briefly describe about different kinds of network topology. What is firewall ? Write in brief the importance of creating firewall in the banking process. What do you mean by B2B communication ?    2 + 5 + 2 + 4 + 2

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

    a) Hacker

    b) Role of MIS in management control

    c) Real time systems

    d) Encryption ( Symmetric & Asymmetric )

    e) Mail Merge ( in MS-Word )

    f) Models of E-commerce ( B2B & E-governance ).

11. What are the different types of transmission medium ? Explain. What is network security ? Discuss about the principles of network security.    8 + 7

12. What is macro ? How it is created using MS-Word ? How to create animated slideshow using MS-Powerpoint ? Write in brief the salient features of LAN, MAN and WAN.

    4 + 3 + 3 + 5

13. Explain the Batch Processing. On Line Processing. Provide comparison between these two methods.    7 + 8