*Name* : ……………………………………………………………

*Roll No.* : ……………………………………………………………

*Invigilator's Signature* : ……………………………………

**CS/MBA/FT/SEM-1/MB-103/2012-13**

# 2012

# MANAGEMENT INFORMATION SYSTEM – 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 : $10 \times 1 = 10$

   i)   Data in wide area networking is transferred using

      a)   logical link protocol      b)   packet link protocol

      c)   circuit switching          d)   packet switching.

   ii)   Layer of OS which is core part of the OS and interfaces with the hardware is

      a)   core OS               b)   shell

      c)   resident OS           d)   kernel OS.

   iii)   Part of the CPU which carries out arithmetic operation is referred as

      a)   CU                  b)   Program counter

      c)   ACC                 d)   ALU.

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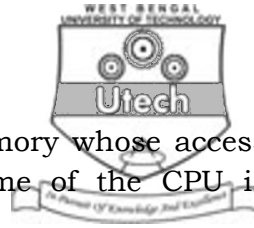
iv) Memory between CPU and main memory whose access time is closer to the processing time of the CPU is referred as

a) cache memory  b) ultra fast memory

c) Johnson memory  d) SDRAM.

v) Model of SDLC which encompasses all other model and reduces the risk in software development is

a) Spiral model  b) Derisking model

c) Prototype model  d) Evolutionary model.

vi) Decision support system generally used in

a) semi-structure environment

b) structure environment

c) unstructure environment

d) perfect structure environment.

vii) System which supports the process of decision making is

a) unstructured decision

b) decision making

c) CBIS

d) DSS.

viii) Router is used in

a) LAN  b) WAN

c) VPN  d) none of these.

ix) Concept of tunneling is used in

a) LAN  b) WAN

c) VPN  d) Firewall.

x) A checksum or CRC (cyclic redundancy check-sum) used for

a) data comm. error-detection purposes

b) type of networking detection purposes

c) application software error detection purposes

d) operating software error detection purposes.

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## GROUP – B

### ( Short Answer Type Questions )

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

2. What is Trojan Horse ? Mainly what are its classifications ?

3. Define Browser hijacking.

4. Mention the advantages & disadvantages of e-commerce.

5. Differentiate between Internet, Intranet and Extranet.

6. What do you mean by alpha-beta testing ? Differentiate between them.

7. What is the role of operating system in a computer ?

## GROUP – C

### ( Long Answer Type Questions )

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

8. What is a power point presentation ? Where can this be used ? Write all the mandatory dos and don'ts to make a corporate power point presentation.          5 + 4 + 6

9. Define EDI. Give examples of those industry names where EDI has many applications. Define value added network in the light of EDI.          5 + 5 + 5

10. a) What is a system ? What are its components ?

    b) Describe the different types of systems.

    c) Differentiate between TPS, MIS and DSS.          4 + 6 + 5

11. a) Discuss about the different types of topology in a network. Illustrate using figures and mention their advantages and disadvantages.

    b) What do you mean by the term 'Firewall' ? Explain its advantages.          10 + 5

12. a) What is a real time system ?

    b) What are the different types of real time systems ?

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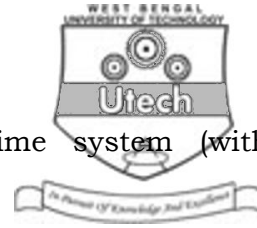
c) Explain the application of real time system (with examples) in :

i) Industry

ii) Medical care

iii) Space research

iv) Defense applications.                5 + 5 + 5

13. a) Describe the different e-commerce business models with examples.

b) Describe the threats to e-commerce and security measures available.                8 + 7

14. a) Compare Waterfall model with Prototyping model. Illustrate with diagrams.

b) Explain the spiral model with diagram. State its advantages and disadvantages.                9 + 6

15. a) Explain the classification of hardware devices used in a CBIS.

b) Explain the classification of software.                $2 \times 7\frac{1}{2}$

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