

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

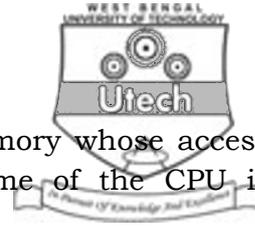
*The figures in the margin indicate full marks.*

*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.



- 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.



**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following  $3 \times 5 = 15$

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 ?

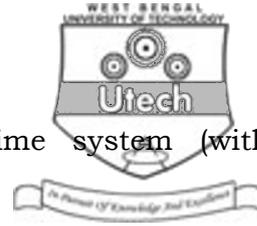
**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

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 × 7½

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