



Name :

Roll No. :

Invigilator's Signature :

CS/BHMCT/SEM-1/HM-106/2009-10

2009

APPLICATION OF COMPUTERS

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 of the following : $10 \times 1 = 10$

i) Cache Memory is a

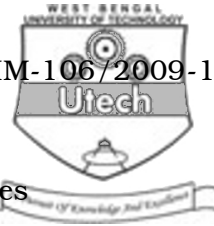
- a) small & fast memory b) permanent memory
c) control memory d) none of these.

ii) CPU reads the information from secondary memory

- a) directly
b) first, information is transferred to main memory and from there, the CPU reads
c) through registers
d) none of these.



- iii) Modem is used to
 - a) convert digital signal to analog signal only
 - b) convert analog signal to digital signal only
 - c) convert digital signal to analog signal and vice versa
 - d) none of these.
- iv) Main memory is
 - a) volatile
 - b) non-volatile
 - c) volatile as well as non-volatile
 - d) none of these.
- v) Which is an optical scanning technology ?
 - a) Bar coding
 - b) OCR
 - c) Both (a) & (b)
 - d) MICR.
- vi) A DBMS is used mainly to
 - a) separate management from work
 - b) promote decentralized and end user computing
 - c) facilitate transmission of files across continents
 - d) eliminate data redundancy.
- vii) A virus is
 - a) a destructive software program
 - b) self-replicating
 - c) both (a) & (b)
 - d) useful for locating errors in programs.

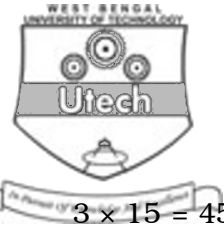


- viii) 2 MByte corresponds to
- a) 4000 k bytes
 - b) 8 k bytes
 - c) 2048 k bytes
 - d) 16 k bytes.
- ix) Cache Memory has speed and storage capacity of
- a) faster and larger than hard disk
 - b) faster and smaller than RAM
 - c) faster and larger than CPU
 - d) faster and smaller than ROM.
- x) The command interpreter in UNIX is called a
- a) CLI
 - b) VI editor
 - c) Shell
 - d) None of these.

GROUP – B
(Short Answer Type Questions)

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

2. What is microprocessor ? What is the difference between RAM and ROM ? 2 + 3
3. What is the function of operating system ? What purpose do the operating system serve to the computer ? 2 + 3
4. What are the differences between an interpreter and a compiler ? 5
5. What is GUI ? What is the difference between single user and multi-user OS. 2 + 3
6. List five important applications of computers in a hotel industry. 5



GROUP – C
(Long Answer Type Questions)

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

7. Explain the concepts of Database ? What are the advantages and disadvantages in DBMS ? What is RDBMS ? What is the role of database of administrator ? $2 + 5 + 2 + 6$
8. Explain in brief : 5×3
- a) TCP/IP
 - b) Telnet
 - c) Gateway Access
 - d) FTP
 - e) DNS.
9. a) What is Network Topology ? Give the example of different network topology.
- b) What is the difference between file and folder ?
- c) What is the client server architecture ? $2 + 6 + 2 + 5$
10. Describe Mail Merge in MS Word. What is Drop Cap in MS Word ? What are Work Book and Work Sheet in MS Excel ? How will you include animation in MS Power Point presentation ? $5 + 2 + 3 + 5$
11. Draw the block diagram of a general purpose computer and briefly explain its different components. What is magnetic disk ? Explain hard disk, floppy disk and optical disk. $4 + 3 + 2 + 2 + 2 + 2$