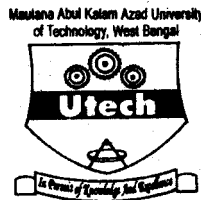


CS/BBA/BSCM/BIRM/ODD SEM/SEM-1/BBA-106/2016-17



**MAULANA ABUL KALAM AZAD UNIVERSITY OF
TECHNOLOGY, WEST BENGAL**

Paper Code : BBA-106

COMPUTER APPLICATION-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) Hard copy is a term used to describe
- a) Writing on a hardboard
 - b) Printed output
 - c) Storing information on the hard disk
 - d) All of these.
- ii) An operating system is a
- a) Application software
 - b) System software
 - c) Utility software
 - d) all of these.

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[Turn over

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- iii) RAM is
 - a) Volatile memory
 - b) Random Access Memory
 - c) both (a) and (b)
 - d) none of these.
- iv) Negative number in computer uses
 - a) sign bit conversion
 - b) 2's compliment method
 - c) 1's compliment method
 - d) all of these.
- v) Central Processing Unit is combination of
 - a) Control & Storage
 - b) Control & Output unit
 - c) Arithmetic logic & input
 - d) Arithmetic logic & control.
- vi) CPU reads the information from the secondary memory
 - a) Directly
 - b) First, information is transferred to main memory and from there, the CPU reads
 - c) Through the register
 - d) None of these.
- vii) DOS and some version of UNIX are examples of interface.
 - a) Old fashioned
 - b) GUI
 - c) Command line
 - d) Parallel.
- viii) MAR stands for
 - a) Memory Arithmetic Register
 - b) Memory Address Register
 - c) Media Access Register
 - d) Methodical Address Register.

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- ix) is the time required to locate and retrieve stored data from the storage unit in response to a program instruction.
- a) Access time b) Seek time
 - c) Latency time d) None of these.
- x) MICR stands for
- a) Magnetic Ink Character Reader
 - b) Micro Ink Character Reader
 - c) Macro Ink Character Reader
 - d) None of these.

GROUP – B

(Short Answer Type Questions)

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

- 2. What are the differences between RAM and ROM ? What are the differences between LAN and WAN ? $3 + 2$
- 3. What is a compiler ? Explain the functions of compiler and interpreter. $1 + 4$
- 4. What is Virtual memory ? Explain the function of Cache memory. $2 + 3$
- 5. What are the difference between LAN and MAN ? Discuss with example.
- 6. What are Viruses ? Give examples. $3 + 2$

GROUP – C

(Long Answer Type Questions)

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

- 7. a) What is Operating system ? What are the functions of Operating system ? $2 + 4$
- b) Differentiate between CUI and GUI with proper example. 4
- c) Differentiate between System Software and Application Software with proper example. 5

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8. a) What are CPU registers ? How many types of registers are there ? Explain. 5
b) List the various computer generations along with the key characteristics of computers of each generations. 5
c) What are the differences between Hardware and Software ? Discuss with proper example. 5
9. a) What do you mean by algorithm and flow-chart ? 4
b) Write an algorithm to solve a quadratic equation. 4
c) What are the different types of printer ? 4
d) How are non-impact printer different from impact printer ? 3
10. a) Convert the following binary number to its equivalent decimal :
10011100
b) Convert the following decimal number to its equivalent binary format :
6789
c) Convert the numbers 7 and - 5 into their Binary equivalent and finally add the two numbers using 2's complement method.
d) Convert the number 10.101 into its decimal form.
e) Explain the character representations in ASCII and EBCDIC. 2 + 2 + 4 + 3 + 4
11. Write short notes on any *three* of the following : 3 × 5
a) Instruction Cycle
b) CPU
c) Hard Disk
d) HUB
e) www.
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