

QP CODE: 18103635



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Reg No : .....

Name : .....

**B A DEGREE (CBCS) EXAMINATION, DECEMBER 2018**

**First Semester**

**Complementary Course - CA1CMT01 -**

**COMPUTER SCIENCE - COMPUTER FUNDAMENTALS**

*(Common to B.A Economics Model II Foreign Trade, B.A Economics Model II Insurance)*

2018 Admission only

F5CCD4CC

**Maximum Marks: 60**

**Time: 3 Hours**

**Part A**

Answer any ten questions.

Each question carries 1 mark.

1. Define Computer.
2. Define mini computer.
3. Define LCD.
4. What is a BIT?
5. Expand ASCII.
6. Draw truth table of AND gate.
7. Represent  $Y=(A.B)+C$  using logic gates
8. Name any two application software.
9. List the steps involved in SDLC.
10. List any two merits of flowchart.
11. What is MS DOS?
12. List any three internet services.

(10×1=10)


**Part B**

Answer any six questions.

Each question carries 5 marks.

13. Write steps of method used to convert a decimal number to octal number with an example.
14. Write short cut method used to convert a binary number to octal number with an example.



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15. Briefly explain the basic laws or postulates of boolean algebra.
  16. Briefly explain the basic logic gates with the help of truth table and symbols.
  17. What are universal gates? Draw all gates using NAND gate with truth table.
  18. What are computer languages? Explain.
  19. Define operating system narrating its features.
  20. Briefly explain multitasking and unitasking operating system.
  21. What is UNIX? Briefly explain the features of UNIX?

(6×5=30)

### Part C

Answer any two questions.

Each question carries 10 marks.

22. What is "Generation" in computer terminology? Explain each of them in detail.
23. Describe the parts of a computer with a neat diagram.
24. Convert the following a)  $(AF4)_{16}$  b)  $(1011100.11)_2$  c)  $(756)_8$  into other number Systems.
25. Explain the relationship among hardware, software and users of a computer system

(2×10=20)

