

## **RA-5700**

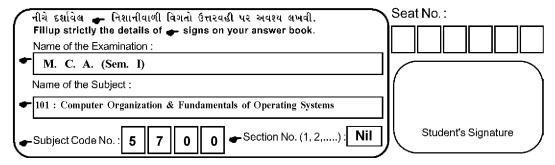
# M. C. A. (Sem. I) Examination

March / April - 2017

# 101: Computer Organization & Fundamentals of Operating Systems

Time: 3 Hours [Total Marks: 70

#### **Instruction:**



1 Do as directed: (Any Two)

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- (1) What is Computer Network? Explain its application and advantages in detail.
- (2) Define: Loader. Explain absolute and relocatable loader.
- (3) Write a note on Windows NT architecture.
- 2 Answer the following: (Any Three)

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- (1) List out the impact printers. Explain the working of any one impact printer.
- (2) What is interrupts? How interrupt is handled by the processor?
- (3) Describe how optical storage works?
- (4) Write a note on bus architecture.

- (1) List various Output devices. Explain the CRT technology used for the monitor.
- (2) Draw Block Diagram of Digital Computer and Explain each component in detail.
- (3) Define: Coding Scheme. List out various types of it. Explain each Coding schemes.
- (4) Define: Operating systems. Compare single user and multi user OS. Explain components of OS.

## 4 Answer the following:

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- (1) Describe the role of various system and configuration files during booting process of DOS.
- (2) Compare ROM and RAM. Explain types of RAM.
- (3) Describe the steps of converting binary number into decimal, octal and hexadecimal number using proper example.

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