

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA Integrated - SEMESTER-I • EXAMINATION – WINTER - 2016

Subject Code: 4410601

Date: 31/12/ 2016

Subject Name: Fundamentals of Computer

Time: 10.30 am to 01.00 pm

Total Marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1 (a)** Abbreviation the following: **07**
- a) POST
 - b) USB
 - c) VIRUS
 - d) BIOS
 - e) PDA
 - f) UPS
 - g) MICR
- (b)** What is Input Device? Explain any five in detail. **07**
- Q.2 (a)** Explain following Linux commands **07**
- a) Cal
 - b) Date
 - c) Who
 - d) Pwd
 - e) Cd
 - f) Rmdir
 - g) ls
- (b)** Explain Machine Cycle in detail. **07**
- OR**
- (b)** Write short notes on (1) plug-n-play (2) RTC **07**
- Q.3 (a)** What is cache memory? Explain working of it. **07**
- (b)** Explain Classification of software in detail. **07**
- OR**
- Q.3 (a)** What is Bus? Explain types of Bus in detail. **07**
- (b)** Write short note on BIOS and CMOS. **07**
- Q.4 (a)** What is OpenOffice.org? Explain use of Writer, Calc and Impress Application. **07**
- (b)** Define: **07**
- a) Motherboard
 - b) SMPS

- c) Ports and Cords
- d) LCD

OR

- Q.4** (a) What is Virus? Explain Virus Prevention Techniques in detail. **07**
(b) What is an Operating System? Explain different types of OS in detail. **07**

- Q.5** (a) What is the classification of computer memory? Write about RAM, ROM and other types of memories. **07**
(b) Explain Unix File System in detail. **07**

OR

- Q.5** (a) What is DOS? Explain Internal and External Commands. **07**
(b) Write short note on: **07**
a) Disk Boot
b) The Processor and Interrupts
