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: a) Disk Boot b) The Processor and Interrupts	**07**

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