

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA Integrated - SEMESTER-I • EXAMINATION – WINTER • 2014

Subject Code: 4410601**Date: 23-12-2014****Subject Name: Fundamental of Computer****Time: 10:30 am - 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)** Answer the Following **07**
(1) Full form of CMOS
(2) Full form of RAM
(3) Full form of ROM
(4) In computer the main part is _____
(5) Full form of USB
(6) Usage of SMPS in Computer System
(7) What is PDA?
- (b)** What is ROM? Name various types of ROM and describe their main characteristics. **07**
- Q.2 (a)** (1) $32768_{(10)} = \text{_____}_{(2)}$ **07**
(2) $345_{(8)} = \text{_____}_{(2)}$
(3) $10101_{(2)} = \text{_____}_{(10)}$
- (b)** What is cache memory? Explain working of it. **07**
- OR**
- (b)** Explain the types of monitors with example **07**
- Q.3 (a)** What is Operating System ? Explain different types of operating systems in detail **07**
(b) Explain following linux commands **07**
(1) cal
(2) date
(3) echo
(4) pwd
(5) cd
(6) mkdir
(7) ls
- OR**
- Q.3 (a)** What is virus? Explain how we can prevent spreading of virus in our computer system **07**
(b) Explain the usage of writer application of openoffice.org **07**
- Q.4 (a)** Explain any two internal and any two external commands of DOS operating system **07**
(b) What is Language translator? Explain the usage of it with example **07**
- OR**
- Q.4 (a)** Explain limitations of computers **07**
(b) What do you mean by "plug-n-play"? Explain with appropriate example **07**
- Q.5 (a)** (1) Differentiate between serial and parallel ports **04**
(2) Types of bus **03**
(b) Explain different type printers. Also explain usefulness of all types of printers **07**
- OR**

Q.5	(a)	Explain the types of Programming languages	07
	(b)	(1) Use of * wildcard in DOS commands	03
		(2) Explain the use md,cd,rd and deltree commands of DOS	04
