

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA Integrated – SEMESTER – I • EXAMINATION – SUMMER 2017

Subject Code: 4410601**Date: 30/05/2017****Subject Name: Fundamentals 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)** Give the full form of : **07**
- | | |
|------------|-----------|
| (1) MICR | (5) LCD |
| (2) POST | (6) ASCII |
| (3) VLSI | (7) MODEM |
| (4) CD-ROM | |
- (b)** What is Virus? Explain its prevention techniques. **07**
- Q.2 (a)** Explain Logic gates with truth table and circuit diagram. **07**
- (b)** List out output devices and explain any five devices. **07**
- OR**
- (b)** List out input devices and explain any five devices. **07**
- Q.3 (a)** What is an Operating System? Explain types of programming language. **07**
- (b)** What is Computer? Explain uses of computer. **07**
- OR**
- Q.3 (a)** Explain types of the printer in detail. **07**
- (b)** What is Computer? Explain characteristics of computer. **07**
- Q.4 (a)** What is Bus? Explain types of Bus. **07**
- (b)** Explain Unix File System. **07**
- OR**
- Q.4 (a)** Explain Components of Motherboard. **07**
- (b)** Explain all Coding Schemes in detail. **07**
- Q.5 (a)** Explain Machine Cycles: Fetch, Decode, Execute, Store. **07**
- (b)** What is Language translator? Explain usage of it with example. **07**
- OR**
- Q.5 (a)** Explain types of programming languages. **07**
- (b)** Explain the use of following DOS commands: **07**
- cd,mkdir,rmdir,pwd,passwd,deltree,md
