

GUJARAT TECHNOLOGICAL UNIVERSITY**DIPLOMA ENGG.- VIth SEMESTER-EXAMINATION – MAY/JUNE- 2012****Subject code: 360703/2360703****Date: 29/05/2012****Subject Name: Computer Maintenance****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.
4. English version is considered to be Authentic

- Q.1** (a) List various types of connectors on motherboard and explain each in detail. **07**
- (b) Differentiate with example - Hardware , Software, and Firmware. **07**
- Q.2** (a) List various types of motherboards and Draw a layout of any one motherboard and describe major sections. **07**
- (b) Explain general faults of computer system. **07**
- OR**
- (b) Classify various types of memory used in computer system and explain each in brief. **07**
- Q.3** (a) List and Explain various standards of interface used for HDD in brief. **07**
- (b) Give classification of printers and explain each in brief. **07**
- OR**
- Q.3** (a) Classify Main memory ,BIOS,HDD,USB flash drive,CD/DVD related to number of times we can write to and read from these memories(i.e WORM etc.) and justify your answer. **07**
- (b) Differentiate wired and wireless keyboard and explain various standards of wired keyboard in brief. **07**
- Q.4** (a) 1. Differentiate LCD and CRT monitors **03**
2. List Various faults of monitors. **04**
- (b) Classify following devices according to their function as INPUT device, OUTPUT device or if both. **07**
Scanner, Plotter, Speakers, Microphone, Web camera, Joy stick, Light pen, Barcode reader, Modem.
- OR**
- Q. 4** (a) 1. Explain general symptoms to identify faulty power supply. **04**
2. Differentiate UPS and Stabilizer **03**
- (b) 1. Differentiate between External Modem and Internal Modem. **03**
2. Differentiate between Preventive and Breakdown maintenance. **04**
- Q.5** (a) Explain POST in detail. **07**
- (b) Write steps for accurate disassembly of computer system. **07**
- OR**
- Q.5** (a) Prepare list of hardware required for computer centre. **07**
- (b) Explain Layman checks for the troubleshooting of faulty computer system. **07**
