

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Semester -VI Regular Examination May - 2011

Subject code: 360703

Subject Name: Computer Maintenance

Date: 21 /05 /2011

Time: 02.30 pm – 05.00 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 Authentic

- Q.1** (a) Answer the following
- (1) Define the terms : Computer Hardware, Software and Firmware **03**
 - (2) List out General Faults of Computer system **04**
- (b) Draw the layout of latest motherboard and explain the components mounted on motherboard in brief **07**
- Q.2** (a) Differentiate primary memory and secondary memory and explain Hard Disk Drive in Detail **07**
- (b) Explain Motherboard troubleshooting **07**
- OR**
- (b) Explain Floppy Disk Drive and its Troubleshooting **07**
- Q.3** (a) Differentiate Wired Keyboard and wireless keyboard and explain one keyboard from each type **07**
- (b) What is difference between Impact and Non-Impact printer? Explain one printer from each. **07**
- Q.3** (a) What is preventive maintenance ? Explain preventive maintenance of keyboard and printer. **07**
- (b) Explain troubleshooting of printer **07**
- Q.4** (a) Explain types of monitor and Describe CRT monitor in detail. **07**
- (b) Differentiate linear power supply and SMPS **07**
- Q. 4** (a) Write short note on scanner and Bar code reader **07**
- (b) What are layman checks? Explain each step of layman checks. **07**
- Q.5** (a) Write short note on testing and measuring equipments. **07**
- (b) What is diagnostic software? Explain POST in detail. **07**
- OR**
- Q.5** (a) Write down configuration of a computer system require for internet application and explain steps for assembling the new computer system **07**
- (b) Calculate A.C. and UPS requirement for a laboratory having 20 computer systems. **07**
