

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (OLD) - EXAMINATION – SUMMER 2017

Subject Code: 150701

Date: 08/05/2017

Subject Name: Advance Processors

Time: 02:30 PM to 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.

- Q.1** (a) Explain Flag Register diagram. **04**
03
(b) Describe Hyper Threading Correct explanation **07**
- Q.2** (a) List of all segment Explanation of each **02**
05
(b) Correct explanation with examples **07**
- OR**
- (b) Explain the following instructions: (Each One Mark) **07**
1) LDS 2) PUSHF 3) DAA 4) CLD 5) SAR 6) TEST 7) RET
- Q.3** (a) Bit Manipulation **3.5**
String instructions **3.5**
(b) Correct program **07**
- OR**
- Q.3** (a) loop instructions with examples. **07**
(b) Correct program **07**
- Q.4** (a) Answer the following. 1. Compare the procedures and ISRs. **07**
2. Interrupt priorities in 8086. / Each 3.5 Marks
(b) Correct explanation **07**
- OR**
- Q.4** (a) Correct explanation **07**
(b) Explain Context Switching and Task Scheduling with example./ Each 3.5Marks **07**
- Q.5** (a) Correct explanation **07**
(b) pin diagram of 80286 microprocessor. **03**
explanation 80286 protected-mode operation. **04**
- OR**
- Q.5** (a) Describe Reentrant and Recursive procedures./ Each 3.5Marks **07**
(b) Correct Explanation **07**
