

EE 229 Computer Organization and Assembly Language

Friday, June 4, 2020

Course Instructor

Engr. Ayesha Inam

Serial No:

2nd Mid Term Exam
Spring Semester 2020

Max Time: 3 Hour

Max Marks: 30

Exam Weight (Out of 100). 10

Roll No

Section

Guidelines for Submission:

1. You should submit only one PDF document and **all text should be typed**. Equations, figures can be taken as pictures (all figures/equations can be pasted as images inside that document).
2. You must submit your solution before due time via **Slate/Google Classroom**. Submissions submitted after the due time shall not be considered.
3. If you don't finish every part of a question, don't worry! You can still submit what you've done to get marks based on your efforts.
4. In case of copied or plagiarized solutions in exam Or If a student provided help to another student during exam both will be awarded "F" grade and it will affect the student CGPA.
5. Viva of any student can be conducted by the instructor after conducting an online exam in case of any doubt.
6. This document should be submitted through LMS (**Slate/Google Classroom**). But in worst case, you can email it within the deadline.

Question No. 1

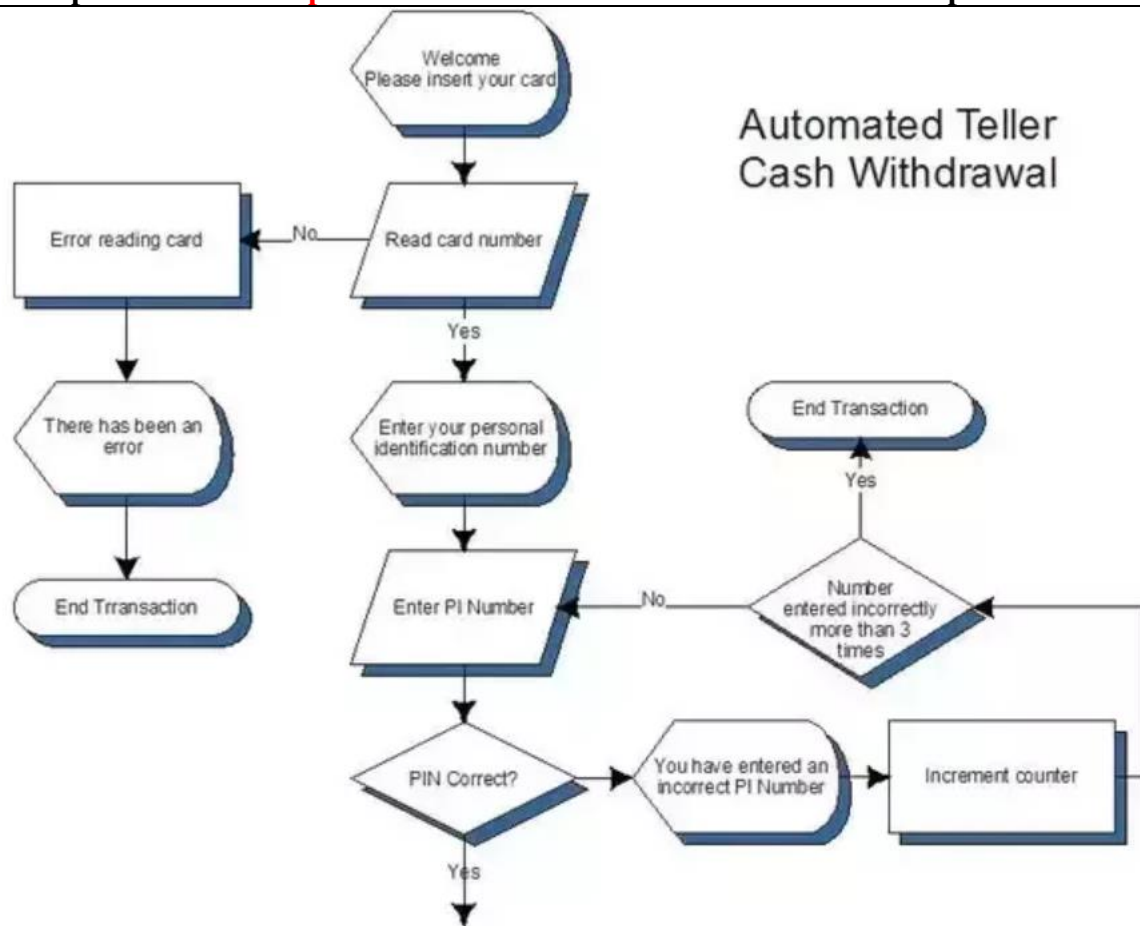
5 marks

Write a generic code for LIFO in assembly language. User can take upto 100 inputs.

Question No. 2

10 marks

Write equivalent assembly code for this ATM machine?



Question No. 3

8 marks

Create a code for rock, paper , scissors game.

Question No. 4

7 marks

Build an alarm clock with mode change capability.