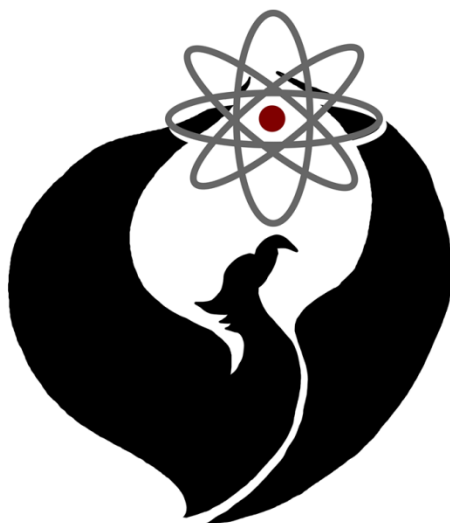


Rank:
Raw score:

Machines C

Answer Sheet



University of Chicago Science Olympiad Invitational 2020

Saturday, January 11, 2020

Team Name: _____

Team Number: _____

Participant names: _____

Problem 1 [5 pts]. _____

Problem 2 [5 pts]. _____

Problem 3 [5 pts]. _____ (symbolic)

Problem 4 [5 pts]. _____ (symbolic)

Problem 5 [10 pts].

i [5 pts]. _____

_____ (brief description)

ii [5 pts]. _____ (symbolic)

Problem 6 [15 pts].

i [5 pts]. _____

ii [5 pts]. _____

iii [5 pts]. _____

Problem 7 [5 pts]. _____

Problem 8 [10 pts].

i [5 pts]. _____

ii [5 pts]. _____ N

Problem 9 [5 pts]. _____

Problem 10 [10 pts].

i [2 pts]. _____ (class)

ii [3 pts]. _____

iii [5 pts]. _____

Problem 11 [10 pts]. _____

Problem 12 [10 pts].

i [2.5 pts]. _____ seconds

ii [2.5 pts]. _____ inches

iii [2.5 pts]. _____ inches

iv [2.5 pts]. beginning / end (circle one)

Problem 13 [15 pts].

i [5 pts]. _____

ii [10 pts]. _____

Problem 14 [20 pts].

i [10 pts]. _____ rpm

_____ rpm

ii [10 pts]. _____ cm