• Name.......................... **SHORT ANSWER**   • Rasha Shadid

(Q1)

(1) 1.96

(2) 1.28

(3) 2.33

(4) 1.645

(5) −1.2

(6) −0.77

(7) 1.75

(8) −1.13

(9) ±0.92

(10) ±1.15

(Q2)

0.67	1.88
−0.99	0.60

(Q3)

(1) 0.33

(2) 87.96

(3) 0.7967

(4) 84.69%

(5) 135.36

(6) 109.92

(7) From 102.72 to 137.28 (102.72 - 137.28)

(Q4) 0.1641

(Q5)

(1) 0.2965

(2) 0.8507

(3) 6

(4) 0.1176

(Q6)

(1) 0.0367

(2) 68.34%

(3)   Approximately 183 students.

(Q7)

(1) 0.0192

(2) 82.89%

(3) 85.85

(4)   63.23 or less

(Q8)

(1) 0.0984

(2) 0.5940

(3) 0.4060

(4) 60

(5) 5.29

(Q9)

(1) [55.17, 62.03]

(2) [54.42, 62.78]

(3) [52.80, 64.40]

(Q10)

(1) 36

(2) 6

(3) 2.069

(Q11)

(1) 2.326

(2) 2.473

(Q12)

 [6.62, 7.78].

We are 95% confident that the mean number of jobs is between 6.62 and 7.78

(Q13)

[38.09, 45.11]

(Q14)

(1) E decreases and confidence interval becomes shorter.

(2) E increases and confidence interval becomes wider.