AQ_11April2020

Total points 6/10

The respondent's email address (jaiswal.5@iitj.ac.in) was recorded on submission of this form.

✓ A Type I error is when: *	2/2
We obtain the wrong test statistic	
We reject the null hypothesis when it is actually true	✓
We fail to reject the null hypothesis when it's actually false	
We reject the alternate hypothesis when it's actually true	
✓ Selecting a confidence level of 95% indicates what? *	2/2
The researcher is willing to accept a 95% chance of making a type I error	
The researcher is willing to accept a 5% chance of making a type II error	
The researcher is willing to accept a 95% chance of making a type II error	
The recognition willing to expent a FW shapes of making a type Larrar	
The researcher is willing to accept a 5% chance of making a type I error	✓

✓ IIT Jodhpur uses thousands of Philips light bulbs each year. A new manufacturer, Wipro, claims that its new brand of bulbs, which co same as the Philips light bulbs, has a mean life of 6000 hours. IITJ never studied how long Philips bulbs last and they decided they're curious to see how long Philips bulbs last compared to Wipro bulb decides to conduct a significance test at the 0.05 significance lever Philips bulbs are tested and the mean life time is found to be 5910 Both manufacturers report that the standard deviation for the life a light is 400 hours. Considering the lifespans of the two brands of what would be the Null Hypotheses. *	st the has e es. IITJ rel. 64 hours. span of
H0: mu=5910	
H0: mu=6000	✓
Insufficient information to formulate H0	
★ Which of the following factor will help in avoiding Type II error? *	0/4
Small Sample Size	
Minimum Variance	✓
Low level of Significance	×
All three options given above	
Correct answer	
Minimum Variance	

This form was created inside of IIT Jodhpur.

Google Forms