**Name: Tone Tedjere Oristesholayemi**

**Course code: stat 312**

**Depart: pharmacology, 300 level**

**Matric no: 17/mhs02/089**

Ouestions

1. What do you understand by hypothesis testing
2. Differentiate between the classical and the p-value approach of hypothesis testing.
3. Importance of hypothesis testing.

Answers

1. Hypothesis is simply a statement about one or more population set up for the purpose of being discredited or approve.

 So therefore the purpose of hypothesis testing is to assist administrators, clinicians and researchers in making wise decisions which usually depends on the statistical decision. It’s is a test of significance.

1. P-value

The p- value is a number that tells us how unusual our sample results are given that the null hypothesis is true

 While

Classical hypothesis testing

The first approach to hypothesis testing is a classical test statistical approach. Which computes a test from the empirical data and then makes a comparison with the critical value.

1. Helps us decide if something really happened.

Ii. Helps us decide if a certain treatment is positive

Iii. Also helps in deciding if a group differs from each other or if one variable predicts another

Iv. Lastly, helps to prove if your data is statically significant.