FPL Co. has a delivery vehicle.  Suppose that one day, it traveled for 5 hours. Assuming that van had a constant speed of 20km/hr in the first two hours of travel and 24 km/hr in the next three hours.  If the cost of fuel being used up is Php30 per kilometer.  What is the mean or average fuel expense per hour?
-Php672/hr

A company has 3 subsidiaries. Subsidiary A has an income of 1M, Subsidiary B has 2M, Subsidiary C is unknown. What is the income of Subsidiary C if the 3 subsidiaries have average income of 4M?
- 9M

Seller, A, B and C had an income of Php 10,000, Php20,000 and Php15,000 respectively. Who has the median income?
-Seller C

Which statement is false
-Measures of central tendency includes mean, median, mode and quantiles.

You have two Php 20 bills and three Php 50 bills on your poket. If you will be drawing 2 bills in your pocket, what is the probability that you can get at a total of Php 20?
-0.4

The company has 3 delivery vans. In how many ways can the vans be parked in a row?
-6

You have two Php 20 bills and three Php 50 bills on your poket. If you will be drawing 2 bills in your pocket, what is the probability that you can get at least Php 40?
-1

Statement 1. Range is obtained by subtracting the highest to the lowest value
Statement 2. Variance is the square root of Standard Deviation
-Statement 1 is true; Statement 2 is false

There are 52 cards in an ordinary deck of cards.  If you will be drawing one card.  What is the probability that it is a heart or a spade?
-0.5

Supposing that a dean's list student must have an average grade of 85 in a term. If you took 5 subjects and you have already  finished the 4 subjects with a grade of 80, 85, 83, and 80, what must be your grade in the last subject in order to qualify as dean's list student?
-97

Supposing that you are in a game and you will choose one briefcase out of five. The following amounts are inside the briefcases 1,000,000; 500,000; 100,000; 50,000, 20,000. You will be going home with the amount inside your chosen briefcase. What is the probability that you will go home with 1,000,000?
-0.2

In an employment exam, 3 applicants got a score of 21-30 while 4 applicants got 31-40. Compute the mean of the grouped data.
-31.21

The current foreign exchange rate is USD 1 = Php 45. Assuming that the probability that the rate will be 1 USD = Php 40 is 0.7, and the probability that it will be USD 1= Php 46 is 0.2, the probability that it will remain the same is 0.1. What is the expected foreign exchange rate rate? (Average)
-1 USD = Php41.7

You are in a game and you will choose one briefcase out of five. The following

amounts are inside the briefcases 1,000,000; 500,000; 100,000; 50,000, 20,000. You will be going home with the amount inside your chosen briefcase. What is the probability that you will go home with at least 50,000?
-0.8

In betting on the Supper Lotto of the Philippine Charity Sweepstakes, you will be choosing 6 numbers out of 49. How many possible 6-digit combinations will there be?
-13,983,816

You are in a game and you will choose one briefcase out of five. The following amounts are inside the briefcases 1,000,000; 500,000; 100,000; 50,000, 20,000. You will be going home with the amount inside your chosen briefcase. What is the probability that you will go home with 2,000,000?
-0

Find the mode of the following data
-70

You have two Php 20 bills and three Php 50 bills on your poket. If you will be drawing 2 bills in your pocket, what is the probability that you can get at a total of Php 150?
-0.6

Seller, A, B and C records their transaction under the accrual basis. They had a profit of Php 10,000, Php20,000 and Php15,000 respectively. Calculate the mean or average income of the 3 sellers after the following accounting adjustments.

Seller A received Php1,000 as payment for past recorded receivable
Seller B forgot to record electricity expense worth Php1,200
Seller C paid accrued expenses worth Php2,000
-Php14,600

The following are the stock prices of FPL Co. from October 9-15
The following are the stock prices of FPL Co. from October 9-15
7.70, 7.75, 7.80, 7.60, 7.50, 7.75, 7.75
What is the average stock price within the given week?
-7.69

It is used when the relationship between two or more variables in the problem is believed to be greater than, lesser than, at most, at least, maximum and minimum

-One-tailed test

Null Hypothesis: There is no significant difference between the age and income level of employees under the entertainment industry.
Supposing that the researcher rejected the hypothesis when in fact it is true. The researcher committed a
-Type I Error

This is the maximum value of the probability of rejecting the hypothesis when in fact it is true
-Level of Significance

What will be your decision if the absolute calculated value is greater than the tabular value?
-Reject Null Hypothesis

In our discussion, what is the fourth step in hypothesis testing?
-Determine the critical value

What will be your decision if the p value is less than the level of significance used?
-Reject Null Hypothesis

This type of statistical test is used when relationship of two or more variables are said to be "not equal to" or the problem has no condition.
-Two-tailed Test

In our discussion, what is the third step in hypothesis testing?
-Select the test statistic and compute its value

This is an assumption of relationship between variables
-Hypothesis

A hypothesis that is intended for statistical test is generally stated in _____ form.
-Null

Analyze the excel sheet formula and identify which one does not belong to the group
-f(x)=EXPON.DIST(9,1/10,FALSE)

Which is equivalent to Q2 (WTF?)
-P50

With a 0.5 probability of success in each of your 5 business investments, what is the probability that you will make profit in exactly 2 of your investments?
-20.69%

If you flip a coin twice, what is the probability of getting at least one tail?
-0.75

Which statement is false?
-Discrete probability distribution is used to calculate probability for values between intervals.

Ten people took an employment exam, the following are their scores from a 50-item test
-9.04

Identify the probability distribution being described by the statement below
-binomial distribution

This is a is a statistical measure that is frequently used to indicate the probability of a specific number of successes occurring from a specific number of independent trials.
-binomial distribution

A normal deck of playing cards consists of 52 cards.  If you will draw one card, what is the probability that you can get a black card?
-0.5

Statement 1. Factorial notation is the result of multiplying a sequence of descending numbers.
Statement 2. Combination refers to the arrangement of objects with reference to order.
-Statement 1 is true; Statement 2 is false

This is prefered to be used when handling samples which are greater than or equal to 30.
-z-test

In how many ways can you arrange 5 people in a line?
-120

Which statement is false?

-Continuous probability distribution is an infinite probability distribution used to find probability for a counatble of values.

This examines whether samples are different and is commonly used when the variances of normal distributions are unknown and when an experiment uses a small sample size.
-T-test

In a normal distribution,
-the random variable x is normally dispersed with the mean and variance

16 BSBA students took a quiz in Business Statistics, five of them got a score of 5; five got a score of 10 ; five got  a score of 15 and the other one was unknown.  If the mean score of 16 students is 10, what is the modal score?
-10

Evaluate 55!
-1.2696 x 10^73

What can you say about the distribution's skewness given the following data
Mean=20
Mode = 10
Median=15
- The distribution is positively skewed

Which statement is false?
-Poisson Distribution • Probability of exactly x successes in a •unit• or discrete interval

Which of the following is a continuous random variable?
-Number of customers

In how many ways can you arrange 5 people in a circle?
-120

If the probability that x = 6 is 25%, what is the probability that x will not be equal to 6?
-75%

If the probability that x =  10  is 65% and the probability that x=10 is 20%, what is the probability that x?10?
-80%

Which of the following is incorrectly evaluated
-10!-9! = 1

Analyze the excel sheet formula and identify which that does not belong to the group
-f(x)=NORM.DIST(183,175,9,11,FALSE)

assigns a probability to each measurable subset of the possible outcomes of a random experiment, survey, or procedure of statistical inference.
-Probability Distribution

It is a theoretical concept whose objective is to be able to explain for some variables the reaction between the intervals of its values and their corresponding probabilities.
-Normal Distriburion

Imagine that you are the banker of the game "deal or no deal".  Supposing that you are tasked to make an offer worth 30% lower than the mean of the remaining amounts contained in the unopened briefcases.  There are only three briefcases left unopened, one chosen by the player and two with the deal or no deal ladies .  The remaining amounts are Php1,000,000,  Php700,000 and Php100,000.

What amount will you offer to the player?
-Php420,000

If there are 20 students currently enrolled BSBA-MIS.  In how many ways can elect a president and vice president?
-40

In this type of distribution, the number of successes is fixed and the number of trials varies. The function calculates the probability of a given number of failures occurring, before a fixed number of successes.
-Negative Binomial Distribution

Which statement is true?
-Binomial Distribution  Probability of exactly x successes in n trials

0! is equal to
-1

The test is applied when you have two categorical variables from a single population. It is used to determine whether there is a significant association between the two variables.
-Chi-square Test for Independence

The variance of the final grades of 50 students is equal to 16, what is the value of standard deviation?
-4

What do you call a variable whose value is subject to variations due to chance. It can take on a set of possible different values, each with an associated probability.
-random variable

This test is applied when you have one categorical variable from a single population. It is used to determine whether sample data are consistent with a hypothesized distribution.
-Chi-square Test for Goodness of Fit

Evaluate the formula and identify the correct expression
-f(x)=HYPGEOM.DIST(3,4,6,9,FALSE)= 0.48

If the probability that x = 20  is 65% and the probability that x<20 is 20%, what is the probability that x?20?
-35%

There are 10 employees in a small business firm.  From these employees, two of them have a salary of Php20,000; three of them receive Php25,000; four of them receive Php30,000; lastly the manager's salary is not given.  Supposing that the average salary of the 10 employees is worth Php29,000, what is the range amount of their salaries?
-Php35,000

Analyze the statement and identify the one depicting two tailed test
-The probability of getting 10 and below.

If the distribution has a kurtosis value which is equal to zero.  The distribution is said to be
-Mesokurtic

Analyze the excel sheet formula and identify which that does not belong to the group
-f(x)=EXPON.DIST(9,1/10,FALSE)

You are in charged of the repacking of goods. There are 2 types of canned sardines, 3 types of rice and 2 types of noodles. How many combinations can you

make if you are only allowed to pick one per product?
-12

What can you infer from the following data, 10, 15, 10, 20, 15, 25, 10.
-The distribution is platykurtic

Euler's number is equal to
-2.71828

This is the probability distribution that describes the time between events.
-Exponential Distribution

If the probability that x = 6 is 10%. What is the probability that x<6?
-90

Analyze the statement and identify the one depicting two tailed test
-What is the probability of getting a score of at most 50?

Which can be considered as median?
-Q2

The average number of homes sold by the a realty company is 2 homes per day. What is the probability that greater than 3 homes will be sold tomorrow?
-0.28