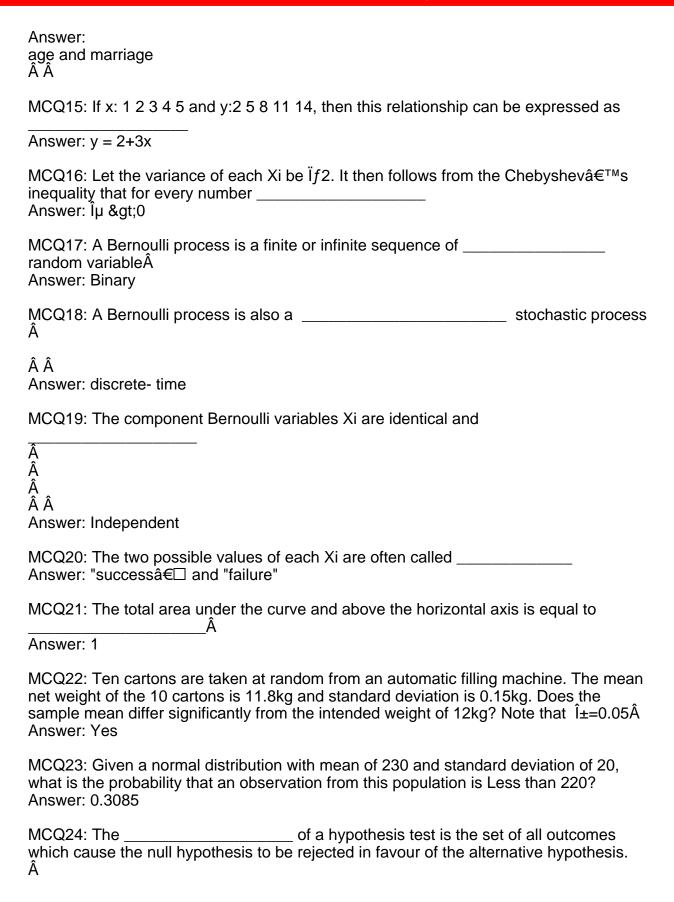
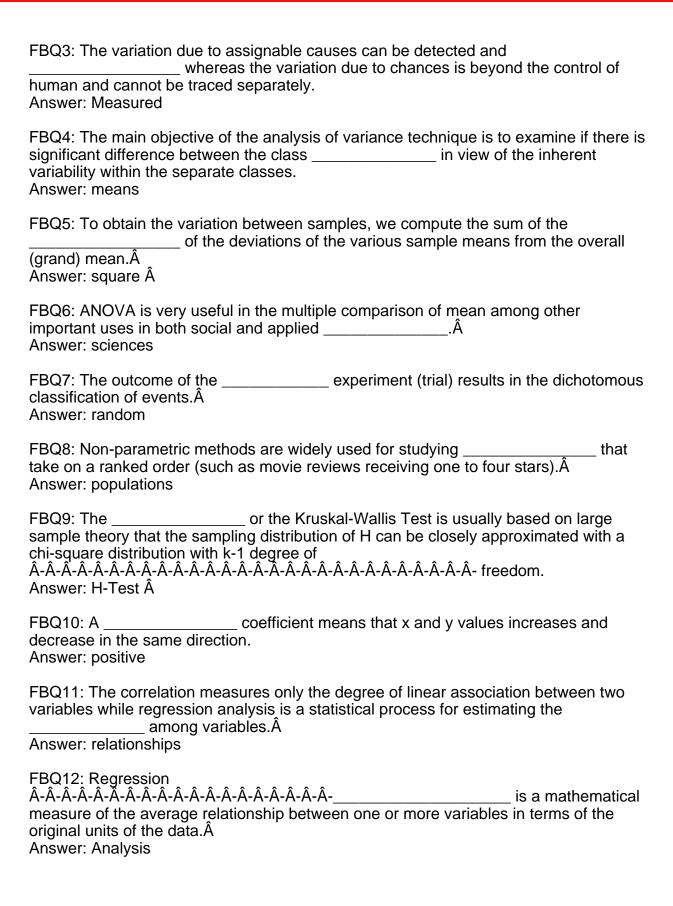
MCQ1: What is the probability of any specific, infinitely long sequence of coin? Answer: zero
MCQ2: In an experiment of a single toss of a coin, the coin might come up heads with probability P and tails with probability 1-P. The experiment is called fair if,
Answer: P=0.5
MCQ3: Find the probability of getting 5 in a single throw of a dice. Answer: one -sixth
MCQ4: The outcome of the random experiment (trial) results in theclassification of events.  Answer: Dichotomous
MCQ5: Using normal tables, find the values of P(z < 0.50)Â Answer: 0.6915Â
MCQ6: Which is termed as the probability of failure (non-occurrence of the event) and is constant for each trial? Answer: $q = 1-p$
MCQ7: What is the probability of getting heads in two coins flipps? Answer: 0.75
MCQ8: In a normal distribution, the mode which is the point on the horizontal axis where the curve is a maximum occurs at Answer: $X = \hat{I}\frac{1}{4}$
MCQ9: The normal distribution was first discovered by English Mathematician De-voire inAnswer: 1733
MCQ10: In normal distribution, the curve is about a vertical axis through the mean μ Answer: asymmetric
MCQ11: The first meaning of non-parametric covers that do not rely on data belonging to any particular distribution.  Answer: techniques
MCQ12: A is a succession of identical letters (or other kinds of symbol) which is preceded and followed by different letters or no letters at all. Answer: Run
MCQ13: Correlation coefficients have a value betweenAnswer: -1 and +1
MCQ14: Which of the following is not an example of negative correlation?



Â Â Answer: critical region	
MCQ25: Statistical hypothesis testing is sometimes called called analysis.  Answer: Confirmatory	data
MCQ26: Another name for f-test is Â Â Â Â Answer: ANOVA	
MCQ27: Two variables are said to be linearly related if they have a relationship form $\underline{\hspace{1cm}}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ Answer: $y = a+bx$	of the
MCQ28: Another name for ANOVA is Â Â Â A Answer: f-test	
MCQ29: One may observe a high degree of correlation between the height and intelligence in a group of people. Such correlation is called correlation. Â Â Â A A Answer: spurious or non-senseÂ	
MCQ30: is not one of the methods of studying correlation $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ Answer: Scatter Table method	on
MCQ31: Given two variables X and Y: If r = -1, there is a perfectrelationship between Y and X. Answer: inverse or negative	

MCQ32: A coin is tossed thrice, so what is the probability of getting at least one tail? Answer: 0.875
MCQ33: The assumptions for Student's test do not include Answer: The population standard deviation ζ is knownÂ
MCQ34: Prices of shares of a company on the different days in a month were found to be: 76, 75, 79, 70, 79, 81, 80, 73, 74 and 78. What is the mean price of the price of the shares in the month? Answer: 76.5Â
MCQ35: F-statistic is the ratio of chi-square variates divided by their respective degrees of freedom Answer: two independent
MCQ36: Typical regression model is specified in form of
MCQ37: The best fit line can be given as
MCQ38: is NOT one of the ways to evaluate the reliability of a linear regression model Answer: the econometric confidence interval
MCQ39: A particular value of the population, such as the mean income or the level of formal education, is called aAnswer: parameter
MCQ40: Another name for standard error is
MCQ41: The component Bernoulli variables Xi areand independent. Â Answer: identical
MCQ42: . A numerical value used as a summary measure for a sample, such as sample mean, is known as a  Answer: Sample statisticÂ

MCQ43: The sum of the percent frequencies for all classes will always equal
Answer: 100
MCQ44: The following data show the number of hours worked by 150 statistics students.Â Number of Hours Frequency 0-9 30 10-19 40 20-29 40 30-39 40What is the class width for this distribution? Answer: 10
MCQ45: What is the opposite of confirmatory data analysis? Answer: Exploratory data analysis
MCQ46: The term Analysis of Variance was introduced by Prof. R.A Fisher in 1920s to deal with problems in the analysis ofdata.  Answer: Agronomical
MCQ47: Non-parametric methods are widely used for studying populations that take or a order Answer: ranked
MCQ48: In terms of levels of measurement, non-parametric methods result in data Answer: ordinal
MCQ49: Spearman's rank correlation coefficient: measures statistical dependence between two variables using afunction Answer: monotonic
MCQ50: The negative Binomial variables may be interpreted as waiting times.  Answer: random
FBQ1: Since the calculated F is less than tabulated F, it is not significant. Hence, Ho may be at 5% level of significance or risk level.Å Answer: Accepted Â
FBQ2: On the other hand, if calculated value of $\ddot{l}$ ‡2 is greater than the tabulated value, it is said to be $\hat{A}$ Answer: significant



FBQ13: The convergence to the normal distribution is, in the
sense that the entropy of Zn increases monotonically to that of the normal distribution.Â Answer: monotonic
FBQ14: The law of large numbers says that the sample mean of a random sample converges in probability to the mean 1¼ of the individual random variables, if the exists.Â
exists.Â Answer: variance
FBQ15: Kendall's W: a measure between 0 and 1 of inter-rater  Answer: agreement
FBQ16: Kaplan–Meier: estimates thefunction from lifetime data, modelling censoring Answer: survival
FBQ17: Correlation coefficients have a value between -1 and  Answer: +1
FBQ18: Coefficient of means x and y are associated randomly.  Answer: 0
FBQ19: Irving Fisher advocated the cross of Laspeyreâ€̃s and Paascheâ€̃s Price index numbers Answer: geometric
FBQ20: The Bernoulli process can be formalized in the language of spaces as a random sequence of independent realisations of a random variable that can take values of heads or tails.Â Answer: probability Â
FBQ21: These sets of finite are referred to as cylinder sets in the product topology.Â Answer: sequences Â
FBQ22: In the Binomial distribution, the outcome of the random experiment (trial) results in the classification of events.  Answer: dichotomous
FBQ23: If we toss a fair coin n times (which is fixed and finite) then the outcome of any trial is one of the exclusive events, viz., head (success) and tail (failure).Â Answer: mutually
FBQ24: The normal curve approaches the axis asymptotically as we proceed in either direction away from the mean.  Answer: horizontal
FBQ25: In statistics, a result is interpreted as being statistically significant if it has been

predicted as unlikely to have occurred by alone, according to a predetermined threshold probability, the significance level.Â  Answer: chance
FBQ26: The outcomes region of a hypothesis test is the set of all outcomes which cause the null hypothesis to be rejected in favour of the hypothesis. Answer: alternative Â
FBQ27: F-statistic is the ratio of two chi-square variates divided by their respective degrees of freedom.Â Answer: Independent
FBQ28: An important example of a log-concave density is a function constant inside a given convex body and outside.Â Answer: vanishing
FBQ29: The condition f(x1, â€l, xn) = f( x1 , â€l,  xn ) ensures that X1, â€l, Xn are of zero mean and uncorrelated; still, they need not be independent, nor even independent.Â  Answer: pairwise
FBQ30: The of a product is simply the sum of the logarithms of the factors.Â Answer: logarithm Â
FBQ31: The logarithm of a product is simply the of the logarithms of the factors Answer: sum
FBQ32: Because a normal curve is symmetrical about its mean, P(z < -a) = P(z > a) and P(z < a) + P(z > a) =Â  Answer: 1 Â
FBQ33: If you are investigating consumer behaviour in a particular city, you might define the population as all the in that city Answer: households
FBQ34: Chi-square distribution has a number of applications, one of which is to test the equality of several proportions  Answer: sample
FBQ35: If the calculated $\ddot{1}$ value is 57.97 and the tabulated value of $\ddot{1}$ (r-1)(s-1) = 12 59 (critical value), then decision isAnswer: reject Ho
FBQ36: The variation due to is beyond the control of human and cannot be traced separately.  Answer: chances

FBQ37: The Problem of determining the process, given only a limited sample of the bernoulli trials, may be called the problem of checking if a coin is  Answer: fair
FBQ38: The two possible values of each Xi are often called "success" and "failure". Thus, when expressed as a number 0 or 1, the outcome may be called the number of successes on the ithÂ Answer: trial
FBQ39: The Bernoulli process can be formalized in the language ofspaces as a random sequence of independent realisations of a random variable that can take values of heads or tails.  Answer: Probability
FBQ40: The normal distribution was first discovered by English Mathematician De-voire (1667-1754) in 1733 who obtained the mathematical equation for this distribution while dealing with problems arising in the game of  Answer: Chance
FBQ41: The normal distribution with $\hat{l}\frac{1}{4}=0$ and $\hat{l}\P=$ is referred to as the standard normal distribution. $\hat{A}$ Answer: 1
FBQ42: The condition under which Poisson distribution is obtained is in a case of Binomial Distribution. Answer: limiting
FBQ43: The critical region of a hypothesis test is the set of all outcomes which cause the null hypothesis to be in favour of the alternative hypothesis. Answer: rejected
FBQ44: The parentfrom which the sample is drawn is normal Answer: Population
FBQ45: Since the calculated F is than tabulated F, it is not significant. Answer: Less
FBQ46: A particular value of the sample, such as the mean income or the level of formal education, is called aÂ Answer: statistic
FBQ47: There are three methods of data collection with survey and these are the following. These are mail questionnaires, personal interviews and interviews.  Answer: telephone
FBQ48: The probability of getting a head in a single toss of a coin is Â Â

Â 4Â Answer: 0.5	
FBQ49: is termed as event) and is constant for each trial $\hat{A}$ $\hat{A}$ $\hat{A}$ $\hat{A}$ Answer: q = 1-p	the probability of failure (non-occurrence of the
FBQ50: Â For the Binomial Distribution	; Mean=np; and Variance =
Â Â Â Â Answer: npq	