STATISTICS WORKSHEET 8

1.(

2.(b)

3.(d)

4.(b)

5.(c)

6.(d)

7.(b)

8.(a)

9.(d)

10.(c)

11.(a)

12.(d)

13.Ans:-Analysis of variance (ANOVA) is used when comparing the mean scores of more than two groups. One-way analysis of variance involves one independent variable (referred to as factor) which has a number of different levels (groups or conditions). The dependent

variable is a continuous variable.

14.Ans:-The one-way ANOVA is used to determine whether there are any statistically significant differences between the means of three or more independent (unrelated) groups. A two-way ANOVA is an extension of the one-way ANOVA. With a one-way, you have one independent variable affecting a dependent variable.

15.Ans:-A one-way ANOVA evaluates the impact of a sole factor on a sole response variable. It determines whether all the samples are the same. The one-way ANOVA is used to determine whether there are any statistically significant differences between the means of three or more independent (unrelated) groups.