

## **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.