**Answer 1 –** B)

**Answer 2 –** B)

**Answer 3 –** D)

**Answer 4 –** B)

**Answer 5 –** A)

**Answer 6 –** D)

**Answer 7 –** B)

**Answer 8 –** Beta is the probability of type 2 error – A)

**Answer 9 –** A)

**Answer 10 –** C) as we can assume level of significance or level of confidence.

**Answer 11 –** A)

**Answer 12 –** D)

**Answer 13 –**

**Answer 14 –** The main assumption of Analysis of variance are   
 1. Data are independent  
 2. Normal population distribution  
 3. Distributions have same variance

**Answer 15 -** The only difference between one-way and two-way ANOVA is the number of[independent variables](https://www.scribbr.com/methodology/types-of-variables/). A one-way ANOVA has one independent variable, while a two-way ANOVA has two.