

## Statistics worksheet-1

### ANSWERS

- 1) a
- 2) a
- 3) d
- 4) d
- 5) c
- 6) b
- 7) b
- 8) a
- 9) c
- 10) Normal distribution is a bell-shaped curve where the mean, median and mode is zero and the standard deviation is 1
- 11) Missing data can be handled using deletion methods. Some imputation techniques are average imputation and common point imputation.
- 12) It is a basic control experiment. It is a way to compare the two versions of a variable and find out which performs better in a controlled experiment.
- 13) It is not an acceptable practice as most of the research studies are based on the relationship among variables and mean imputation is not a good solution.
- 14) Linear regression is a linear approach for modeling the relationship between a scalar response and one or more explanatory variable (dependent or independent variable).
- 15) The branches of statistics are descriptive statistics and inferential statistics.