STATISTICS WORKSHEET – 1

1. (a)
2. (a)
3. (c)
4. (d)
5. (c)
6. (b)
7. (b)
8. (a)
9. (c)

10. Normal Distribution is the most important and widely used distribution in the field of statistics. It is also known as Gaussian distribution and the Bell Curve. It is a continuous probability distribution that is symmetrical around its mean and most of the observations fall around the central peak and the probabilities for values further away from the mean spread off equally in both directions.

    The normal distribution has a remarkable property called *Central Limit Theorem* which says as the sample size **n** increases the distribution of mean of a random sample taken from any population approaches a normal distribution. Thus, if sample of a large size **n**, are drawn from a population that is not normally distributed, nevertheless the successive sample means will form themselves a distribution that is approximately normal.

11.