

Statistics -I (September)

GA Answers

1. The education minister wants to know the status of campus placements of B.Tech students in different engineering institutes of India. An analyst did a survey on the randomly selected four IITs of India and analysed the status of campus placements. Based on the information given, answer the questions (1), (2) and (3).

Identify the sample and population.

a. The sample consists of all the engineering institutes of India and the population consists of randomly selected four IITs of India.

b. The sample consists of all the IITs of India and the population consists of all the engineering institutes of India.

c. The sample consists of all IITs of India and the population consists of randomly selected four IITs of India.

d. The sample consists of four randomly selected IITs of India and the population consists of all the engineering institutes of India.

2. The report given by an analyst to the education minister about the status of campus placements states that "The campus placement of B.Tech students is 95% in different engineering institutes of India". The given statement of analyst is based on which kind of statistical analysis?

a. Descriptive Statistics

b. Inferential Statistics

3. Is the conclusion of this study made by analyst on the basis of chosen sample reliable?

Yes

No

4. The data of five different types of fertilizers used by farmers of a village is tabulated in Table 1.1.G. Based on the information given, answer the questions (4), (5), (6), (7) and (8).

Which of the following statements is/are true?

a. *Inorganic is a case and Types of Fertilizers is a variable.*

b. *Rice is a case.*

c. *Manure is a case.*

d. *Amount of fertilizers is a variable.*

e. *Nitrogen is a variable.*

5. What is the scale of measurement of "Types of Crops"?

a. *Ordinal Scale*

b. *Nominal Scale*

c. *Interval Scale*

d. *Ratio Scale*

6.What kind of variable is “Area of fields”?(More than one option can be correct)

a.Categorical

b.Numerical

c.Discrete

d.Continuous

7.What is the scale of measurement of “Amount of Fertilizers”?

a.Ordinal Scale

b.Nominal Scale

c.Interval Scale

d.Ratio Scale

8.Is the data given in Table 1.1.G structured or unstructured?

a.The data is structured

b.The data is unstructured

9.The data of Netflix subscribers at the end of year 2020 across different Asian countries is recorded. Based on this, choose the correct option:

a.It is time series data

b.It is cross-sectional data

10. Choose the incorrect statement(s):

a. Stock price of Titan is numeric and continuous variable.

b. Number of assignments submitted by a student has an interval scale of measurement.

c. Soccer positions (i.e. Defender, Midfielder, Forward) has an ordinal scale of measurement.

d. The education level of a person has a nominal scale of measurement.

