

Statistics MCQ Question Bank

First Paper

Chapter 01

Statistics, Variable and Concepts of Different Symbols

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1. **In which scale of measurement, zero is regarded as true zero?**
 (a) Nominal scale (b) Interval scale (c) Ratio scale (d) Ordinal scale
 2. **Which is a discrete variable?**
 (a) Weight (b) Amount of rainfall (c) Distance (d) Grade in a subject
 3. **If $x_1 = 2, x_2 = -3, x_3 = 7$, and $x_4 = 12$, $\sum_{i=1}^4 x_i^2 = ?$**
 (a) 26 (b) 106 (c) 206 (d) 216
 4. **Which one falls in the category of interval scale?**
 (a) Temperature (b) Speed (c) Distance (d) Film rating
 5. **Which one is product of square?**
 (a) $\prod x_i^2$ (b) $(\prod x_i)^2$ (c) $\sum x_i^2 \times \sum x$ (d) $\sum x_i^2$
 6. **For which variable, determining number of terms is not possible?**
 (a) Discrete variable (b) Continuous variable (c) Quantitative variable (d) Qualitative variable
- Answer the next three question based on the following information.**
A farmer collects growth (in cm) of 10 plants in a month and finds that $\sum x_i = 7$ and $\sum x_i^2 = 15$
7. **What is the value of $\sum(x_i + 4)$?**
 (a) 23 (b) $\sum x_i + 4n$ (c) 22 (d) 11
 8. **What is the value of $\sum(x_i - 4)^2$?**
 (a) 23 (b) 135 (c) 484 (d) 121
 9. **If the square of summation is subtracted the sum of square, the value is -**
 (a) -8 (b) 34 (c) 8 (d) -34
 10. **Which one is not an example of ratio scale?**
 (a) Room no. (b) Income (c) Number of accidents (d) Weight

Answer Key:

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|---------------------------|----------------------------|------------------|
| 1. (c) Ratio scale | 5. (a) $\prod x_i^2$ | 9. (d) -34 |
| 2. (d) Grade in a subject | 6. (b) Continuous variable | 10. (a) Room no. |
| 3. (c) 206 | 7. (a) 23 | |
| 4. (a) Temperature | 8. (a) 23 | |