

Sample Paper

Statistical Assistant (BPS-11)

The syllabus for Parts I and III covers the topics given below. Of the total marks, 60% and 20% will be distributed to Parts I and III. Part-II attempts to assess the general knowledge of the candidates and 20% marks will be distributed to Part-II.

- Introduction to Statistics
- Charts, Diagrams and Graphs
- Measures of Central Tendency and Dispersion
- Index Numbers
- Random Variables, Probability and Probability Distributions
- Simple Regression and Correlation
- Sampling
- Inferential Statistics
- Time Series Analysis

Part-I : STATISTICS (MCQs)

1. The frequency of a variable is always
 - a. in percentage
 - b. a fraction
 - c. in integers
 - d. all of the above
2. If the class boundaries are given, the class interval can be measured as
 - a. the sum of upper and lower class boundaries
 - b. the difference between upper and lower class boundaries
 - c. half of the sum of upper and lower class boundaries
 - d. half of the difference between upper and lower class boundaries
3. Histograms can be drawn only for
 - a. continuous frequency
 - b. discrete frequency
 - c. qualitative data
 - d. all of the above
4. Probability is expressed as
 - a. ratio
 - b. percentage
 - c. proportion
 - d. all of the above
5. A population is distributed as $N(\mu, 10.24)$. A sample of 576 items has a mean of 4.7. The value of z-statistic to test $H_0 : \mu = 5.2$ is
 - a. 1.75
 - b. -1.75
 - c. 3.75
 - d. -3.75
6. Regression co-efficient is independent of
 - a. origin
 - b. scale
 - c. both (a) and (b)
 - d. neither (a) nor (b)

Part II – GENERAL KNOWLEDGE (MCQs)

1. Pakistan is the only Islamic and the world's _____ nuclear power?
 - a. 6th
 - b. 7th
 - c. 8th
 - d. 9th
2. The total dependency ratio (persons under the age of 15 and over the age of 64) in Pakistan is approximately
 - a. 40%
 - b. 50%
 - c. 60%
 - d. 70%
3. The last census in Pakistan was conducted in
 - a. 1990
 - b. 2000
 - c. 1998
 - d. 2005
4. What is the current population growth rate (approximate) in Pakistan?
 - a. 1%
 - b. 1.5%
 - c. 2%
 - d. 2.5%

Part-III – SHORT QUESTIONS

Q1. Differentiate between the following two kinds of statistical data:

- a) Primary Data
- b) Secondary Data

Ans. _____

Q2. Fill in the missing frequencies in the following frequency distribution:

Age (in years)	Frequency	Cumulative Frequency
0-10	12	12
10-20	15	---
20-30	---	---
30-40	25	---
40-50	20	95
50-60	16	111
60 and above	9	120