**School of Psychology. University of Seville**

**Design and Data Analysis in Psychology I exam. March, 2018**

**PARTIAL 1**

**GENERAL RULES FOR THE EXAM**

This exam consists of 10 questions with three response options (a, b and c) that must be answered by writing the option chosen on the answer sheet. Only one of the alternatives is correct. **The errors do not subtract from the final score.** You have 45 minutes to do the exam.

**Case**

The table below presents, grouped in intervals, the years of service of disabled workers in an institution.

|  |  |
| --- | --- |
| Years of service | fi |
| 0-4 | 45 |
| 5-9 | 50 |
| 10-14 | 25 |
| 15-19 | 20 |
| 20-24 | 10 |

**QUESTIONS**

1. The variable “years of service” is:
2. Ordinal
3. Quantitative interval
4. Quantitative ratio
5. When this variable is introduced in SPSS, we would choose in the part “variable view”, in the column “measure”:
6. Scale
7. Ordinal
8. Nominal
9. The most adequate graph to represent the data from the following is:
10. Pie chart
11. Frequency polygon
12. Bar chart
13. The relative frequency associated to the interval 15-19 is:
14. 0.13
15. 0.33
16. 0.93
17. The cumulative relative frequency for the interval 5-9 is:
18. It makes no sense to calculate cumulative relative frequencies in these kind of variables
19. 0.33
20. 0.63
21. The mode is:
22. 2
23. 7
24. 50
25. The median is:
26. 7.5
27. 6.5
28. 14.5
29. The aritmetic mean of years of service is:
30. 8.67
31. 13
32. 260
33. The most appropriate central tendency index to describe this variable is the:
34. Mode
35. Median
36. Mean
37. The value of X that leaves behind it the 80% of the sample is:
38. 9.5
39. 14.5
40. 13

**ANSWER SHEET**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | **Option** | Item | **Option** |
| 1 | c | 6 | B |
| 2 | a | 7 | A |
| 3 | b | 8 | A |
| 4 | a | 9 | C |
| 5 | c | 10 | B |