**Practice Questions in Statistics**

**International Indian School, Jeddah**

**Class: XI**

1. Calculate quartile deviation from the following data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Class Interval | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 |
| Frequency | 10 | 03 | 02 | 01 | 04 |

2. Calculate standard deviation by step deviation method of the given data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Size | Above 20 | Above 30 | Above 40 | Above 50 | Above 60 |
| frequency | 30 | 20 | 12 | 6 | 2 |

3.Calculate standard deviation using step deviation of the following data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Age  | 50-55 | 45-50 | 40-45 | 35-40 | 30-35 | 25-30 |
| No. of workers | 22 | 29 | 31 | 47 | 51 | 70 |

4. Estimate the coefficient of mean deviation from median of the following data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Age group | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 |
| No. of workers | 8 | 12 | 20 | 16 | 4 |

5. Find out Mean deviation from mean & its coefficient from the following data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Class interval | Below 10 | Below 20 | Below 30 | Below 40 | Below 50 | Below 60 |
| Frequency | 4 | 12 | 17 | 21 | 30 | 40 |

6. Find out Range, and Inter quartile range from the following data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Marks | 10 | 20 | 30 | 40 | 50 |
| No. of Students | 3 | 2 | 1 | 2 | 2 |