**Practical 10:**

The number of failure of a computer system in a week of operation has the following pmf:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No of  failures | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Probability | 0.18 | 0.28 | 0.25 | 0.18 | 0.06 | 0.04 | 0.01 |

Find first four moments about origin, first four moments about mean, measure of central tendency, measure of dispersion, measure of skewness and measure of kurtosis.

**Practical Number 11:**

Fit the Binomial distribution and find the expected frequencies for the following data.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **X** | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| **f** | 7 | 6 | 19 | 35 | 23 | 7 | 1 |

**Practical Number 12:**

Fit the Poisson distribution and expected frequencies.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **X** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **f** | 71 | 112 | 117 | 57 | 27 | 11 | 3 | 1 |