Section: Time: 20 minutes Marks: 20 Quiz-1

Name: ID:

1. Calculate Coefficient of Variation of the given data of people by blood pressure: 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Class interval of blood pressure | 6-8 | 8-10 | 10-12 | 12-14 | Total |
| No. of patients | 5 | 16 | 20 | 14 | 55 |

2. Seventy percent signals sent from a server reach to its goal properly. Once 3 signals are checked randomly. Find the probability that out of 3 at least 2 reaches properly. 5

3. There are 50 computers in an office. Of them, 20 are ACER and 30 are Dell. The computers are investigated and found that 12 ACER and 25 Dell computers are good. One computer is selected at random. Find the probability that the selected computer is ACER given that it is good. 5

4. Tickets are numbered as 1 to 20, mixed up and then one is drawn randomly. Find the probability that the ticket drawn has a number which is a multiple of 4 or 5. 5

Section: Time: 20 minutes Marks: 20 Quiz-1

Name: ID:

1. Calculate Standard Deviation of the given data: 5

*x*: 17, 11, 13, 10, 05.

1. Seventy five percent signals sent from a server reach to its goal properly. Once 3 signals are checked randomly. Find the probability that out of 3 at best 1 reach properly. 5

3. There are 40 computers in an office. Of them, 10 are ACER and 30 are Dell. The computers are investigated and found that 7 ACER and 23 Dell computers are good. One computer is selected at random. Find the probability that the selected computer is ACER given that it is good. 5

4. Tickets are numbered as 1 to 25, mixed up and then one is drawn randomly. Find the probability that the ticket drawn has a number which is a multiple of 4 or 5. 5

Section: Time: 20 minutes Marks: 20 Quiz-2

Name: ID:

1. Calculate Mean Deviation of the given data of people by blood pressure: 5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Class interval of blood pressure | 6-8 | 8-10 | 10-12 | 12-14 | 14-16 | Total |
| No. of patients | 5 | 16 | 20 | 13 | 6 | 60 |

1. Eighty percent signals sent from a server reach to its goal properly. Once 3 signals are checked randomly. Find the probability that out of 3 at least 2 reaches properly. 5

3. There are 40 computers in an office. Of them, 25 are ACER and 15 are Dell. The computers are investigated and found that 17 ACER and 10 Dell computers are good. One computer is selected at random. Find the probability that the selected computer is Dell or it is good. 5

4. Tickets are numbered as 1 to 25, mixed up and then one is drawn randomly. Find the probability that the ticket drawn has a number which is a multiple of 3 given that 5. 5

Section: Time: 20 minutes Marks: 20 Quiz-2

Name: ID:

1. Calculate variance of the given data: 5

*x*: 15, 11, 13, 10, 07.

1. 85% signals sent from a server reach to its goal properly. Once 3 signals are checked randomly. Find the probability that out of 3 at best 2 reach properly. 5

3. There are 40 computers in an office. Of them, 10 are ACER and 30 are Dell. The computers are investigated and found that 7 ACER and 23 Dell computers are good. One computer is selected at random. Find the probability that the selected computer is Dell or it is not good. 5

4. Tickets are numbered as 1 to 35, mixed up and then one is drawn randomly. Find the probability that the ticket drawn has a number which is a multiple of 4 given that even. 5