

**SS 3 MID-TERM HOLIDAY PROJECT FOR TERM 2, 2018 - 2019 SESSION**

**SUBJECT: MATHEMATICS**

1. The table shows the distribution of scores obtained in a game.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scores | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 |
| Frequency | 1 | 1 | 5 | 3 |  | 6 | 2 | 3 | 4 |

If the mean score of the game is 6, find the : (a) median; (b) mean deviation of the distribution. (c) If a particular number is chosen at random from the game, what is the probability of scoring **at least** a 5?

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class Interval | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 |
| Frequency | 2 | 3 | 6 | 11 | 8 | 7 | 2 | 1 |

2.

The table shows the distribution of marks scored by students in an examination. Calculate , correct to 2 decimal places, the (a) median; (b) standard deviation of the distribution. (c) Draw a cumulative frequency curve (Ogive).

(d) Draw a histogram for the distribution.



**SS 3 MID-TERM HOLIDAY PROJECT FOR TERM 2, 2018 - 2019 SESSION**

**SUBJECT: MATHEMATICS**

1. The table shows the distribution of scores obtained in a game.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Scores | 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 |
| Frequency | 1 | 1 | 5 | 3 |  | 6 | 2 | 3 | 4 |

If the mean score of the game is 6, find the : (a) median; (b) mean deviation of the distribution. (c) If a particular number is chosen at random from the game, what is the probability of scoring **at least** a 5?

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class Interval | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 |
| Frequency | 2 | 3 | 6 | 11 | 8 | 7 | 2 | 1 |

2.

The table shows the distribution of marks scored by students in an examination. Calculate , correct to 2 decimal places, the (a) median; (b) standard deviation of the distribution. (c) Draw a cumulative frequency curve (Ogive).

(d) Draw a histogram for the distribution.