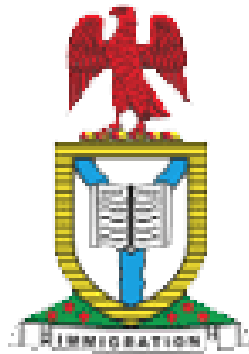


Past Questions



NIGERIA IMMIGRATION SERVICE

and Answers

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Warning: we tried our best to provide the answers, however some answers may not be correct. Kindly cross-check every answer.

NIS Mathematics Questions

1: What is the probability of having an odd number in a single toss of a fair die?

(a) $\frac{1}{6}$

(b) $\frac{1}{3}$

(c) $\frac{1}{2}$

(d) $\frac{2}{3}$

Answer: C

Use the following information for question 2 and 3

The surname of 40 children in a class was arranged in alphabetical order, 16 of the surnames begin with O and 9 of the surnames begin with A. 14 letters of the alphabet do not appear as the first letter of a surname.

2: What is the probability that the surname of a child picked at random from the class begins with either O or A?

(a) $\frac{5}{8}$

(b) $\frac{7}{8}$

(c) 9/16

(d) 14/25

Answer: A

3: If more than one surname begins with a letter besides A and O, how many surnames begin with the letter?

(a) 2

(b) 3

(c) 4

(d) 6

Answer: B

The table gives the score of a group of students in an English language test.

Scores	2	3	4	5	6	7
No. of Students	2	4	7	2	3	2

4: If a student is chosen at random from the group, what is the probability that he scored at least 6 marks?

(a) 3/20

(b) $\frac{1}{5}$

(c) $\frac{1}{4}$

(d) $\frac{3}{10}$

Answer: C

5: What is the probability that three customers waiting in a bank will be served in the Sequence of their arrival at the bank?

(a) $\frac{1}{6}$

(b) $\frac{1}{3}$

(c) $\frac{1}{2}$

(d) $\frac{2}{3}$

Answer: A

6: The probability that Kodjo and Adoga pass an examination are $\frac{3}{4}$ and $\frac{3}{5}$ respectively. Find the probability of both boys failing the examination.

(a) $\frac{1}{10}$

(b) $\frac{3}{10}$

(c) $\frac{1}{2}$

(d) $\frac{2}{3}$

Answer: A

7: The mean of 20 observations in an experiment is 4. If the observed largest value is 23, Find the mean of the remaining observations.

(a) 4

(b) 3

(c) 2.85

(d) 2.60

Answer: A

8: A group of eleven people can speak either English or French or both. Seven can speak English and six can speak French. What is the probability that a person chosen at random can speak both English and French?

(a) $2/11$

(b) $4/11$

(c) $5/11$

(d) $11/13$

Answer: B

If events X and Y are mutually exclusive, $P(X) = 1/3$ and $P(Y) = 2/5$, Use the information to answer questions 9 & 10.

9: $P(X \cap Y)$ is

- (a) 0
- (b) $2/15$
- (c) $4/15$
- (d) $11/15$

Answer: A

10: $P(X \cup Y)$ is

- (a) 0
- (b) $2/15$
- (c) $4/15$
- (d) $11/15$

Answer: A

11: A box contains 2 white and 3 blue identical marbles. If two marbles are picked at Random, one after the other, without replacement, What is the probability of picking two marbles of different colours?

- (a) $2/3$
- (b) $3/5$

(c) 2/5

(d) 7/20

Answer: D

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