**Comparison Practice Test 3**

**Question 1**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| A card is drawn from a well shuffled pack of cards. Find the probability of drawing a red queen. | A card is drawn from a well shuffled pack of cards. Find the probability of drawing a jack or a queen or a king. |

Correct Answer: **B**

**Question 2**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| From a pack of cards all the queens are removed. A card is drawn at random. Find the probability that it is either a king or a card numbered 2. | Two unbiased dice are thrown. Find the probability of obtaining either 4 or 5 as the sum. |

Correct Answer: **C**

**Question 3**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| From a pack of cards the red cards are removed. Find the probability of drawing an even numbered card. | A card is drawn from a well shuffled pack of cards. Find the probability of drawing either an even numbered card or a prime numbered card. |

Correct Answer: **B**

**Question 4**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| A card is drawn from a well shuffled pack of cards. Find the probability of drawing a three of spades or clubs. | A card is drawn from a well shuffled pack of cards. Find the probability of drawing either a spade or a king. |

Correct Answer: **B**

**Question 5**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Two coins are tossed. Find the probability of getting at most two tails. | Three coins are tossed. Find the probability of obtaining at least two tails |

Correct Answer: **A**

**Question 6**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Three coins are tossed. Find the probability of obtaining at most two heads. | Two unbiased dice are thrown. Find the probability of obtaining 4 either as a sum or as a product |

Correct Answer: **A**

**Question 7**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Two unbiased dice are thrown. Find the probability of obtaining an even number on one and a prime number on the other | Two unbiased dice are thrown. Find the probability of obtaining an even number on both the dice. |

Correct Answer: **B**

**Question 8**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Two unbiased dice are thrown. Find the probability of obtaining a number less than 4 on both. | Two unbiased dice are thrown. Find the probability of obtaining a factor of 6 greater than 1 on both the dice. |

Correct Answer: **C**

**Question 9**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Three unbiased dice are thrown. Find the probability of obtaining 4 either as a sum or as a product. | Three unbiased dice are thrown. Find the probability of obtaining a triplet. |

Correct Answer: **A**

**Question 10**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Three unbiased dice are thrown. Find the probability of obtaining an even number on one and 5 on the other two. | Three unbiased dice are thrown. Find the probability of obtaining a total of 6. |

Correct Answer: **B**

**Question 11**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Three unbiased dice are thrown. Find the probability of obtaining a total of 17. | Three unbiased dice are thrown. Find the probability of obtaining 16 as a product. |

Correct Answer: **C**

**Question 12**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Two unbiased dice are thrown. Find the probability of obtaining an even number less than 6 on one and an odd number greater than one on the other. | Three unbiased dice are thrown. Find the probability of obtaining an even number less than 4 on one and an odd number greater than 3 on the other two. |

Correct Answer: **A**

**Question 13**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| All the aces are removed from a pack of cards and then a card is drawn. Find the probability of drawing a red queen. | Two unbiased dice are thrown. Find the probability of obtaining 8 either as a sum or as a product. |

Correct Answer: **B**

**Question 14**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| Three unbiased dice are thrown. Find the probability of obtaining a factor of 8 greater than 1 on one dice and 1 on the second dice and 3 on the third. | Two unbiased dice are thrown. Find the probability of obtaining a perfect square greater than 3 on both. |

Correct Answer: **A**

**Question 15**

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| The odds in favour of A winning the game are 4:5 and the odds against B winning the game are 3:7. Find the probability that B wins the game and A loses it. | Two dice are thrown. Find the odds in favour of getting the sum 3. |

Correct Answer: **A**