Sr. No.	Questions	A	B	C	D
1	Each element of the sample space is called:	event	experiment	sample point✓	outcomes
2	An outcome which represents how many times we expect things to happen is called:	outcomes	favourable outcome✓	sample space	sample point
3	Which one tells us how often a specific event occurs relative to the total number of frequency events or trials?	expected frequency	sum of relative frequency	relative frequency✓	frequency
4	Estimated probability of an event occurring is also known as:	relative frequency✓	expected frequency	class boundaries	sum of expected frequency
5	The sum of all expected frequencies is equal to the fixed number of:	trials✓	relative frequencies	outcomes	events
6	The chance of occurrence of a particular event is called:	sample space	estimated probability	probability✓	expected frequency
7	An event which will probably occur, meaning it has a greater chance to occur, is called:	equally likely event	likely event✓	unlikely event	certain event
8	Find out the total number of possible sample spaces when 4 dice are rolled:	6^2	6^3	6^4✓	6^6
9	While rolling a pair of dice, what will be the probability of getting a double 2?	$\frac{1}{6}$	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{1}{36}$✓
10	A card is chosen from a pack of 52 playing cards. Find the probability of getting neither a Jack nor a King:	$\frac{2}{13}$	$\frac{11}{13}$✓	$\frac{2}{52}$	$\frac{11}{52}$

Solution of MCQs

1	An individual outcome in the sample space is a **sample point**.
2	Favorable outcome = event we are interested in
3	Relative frequency = number of favorable outcomes / total outcomes
4	Estimated probability = relative frequency
5	Sum of expected frequencies = total number of **trials**
6	Probability = chance that a particular event will occur
7	Likely event = high chance but not certain
8	Sample space for 4 dice $= 6^4 = 1296 \Rightarrow$ total outcomes $= 64$

9	Probability of double 2 = only (2,2) ⇒ 1 out of 36 ⇒ 1/36
10	Number of Jacks + Kings = 8 (4 Jacks + 4 Kings). Favorable outcomes $= 52 - 8 = 44.$ Probability $= \ 44/52 \ = \ 11/13.$