Introduction to probability

1. Each individual outcome of an experiment is called

MULTIPLE CHOICE

	a. the sample spaceb. a sample pointc. an experimentd. an individual	e			
	ANS: B	PTS:	1	TOP:	Probability Concepts
2.	A graphical method a. a frequency polyb. a histogram c. an ogive d. a tree diagram		senting the sam	nple poi	ints of an experiment is
	ANS: D	PTS:	1	TOP:	Probability Concepts
3.	Any process that gen a. an event b. an experiment c. a sample point d. a sample space	erates v	vell-defined ou	tcomes	is
	ANS: B	PTS:	1	TOP:	Probability Concepts
4.	In statistical experima. the same outconb. the same outconc. a different outcod. a different out co	ne must ne can r ome may	occur ot occur again y occur	oerimen	t is repeated
	ANS: C	PTS:	1	TOP:	Probability Concepts
5.		f N obje	ects where <i>orde</i>		nber of experimental outcomes when n objects are ection is not important is called
	ANS: B	PTS:	1	TOP:	Probability Concepts
6.	From a group of six selections are there? a. 12 b. 36 c. 15 d. 8	people,	two individuals	s are to	be selected at random. How many possible
	ANS: C	PTS:	1	TOP:	Probability Concepts
				1	

	b. probability methodc. classical methodd. subjective method	d					
	ANS: D	PTS:	1	TOP:	Probability Concepts		
8.	A graphical device u a. bar chart b. pie chart c. histogram d. None of these a			mple p	oints in a multiple-step experiment is a		
	ANS: D	PTS:	1	TOP:	Probability Concepts		
9.	The set of all possible a. an experiment b. an event c. the population d. the sample space		mes of an expe	riment i	is		
	ANS: D	PTS:	1	TOP:	Probability Concepts		
10.	 If a dime is tossed four times and comes up tails all four times, the probability of heads on the fift trial is a. smaller than the probability of tails b. larger than the probability of tails c. 1/2 d. 1/32 						
	ANS: C	PTS:	1	TOP:	Probability Concepts		
11.	Of five letters (A, B, selections are there? a. 20 b. 7 c. 5! d. 10		and E), two lette	ers are t	o be selected at random. How many possible		
	ANS: D	PTS:	1	TOP:	Probability Concepts		
12.	Assume your favorite football team has 2 games left to finish the season. The outcome of each game can be win, lose or tie. The number of possible outcomes is a. 2 b. 4 c. 6 d. 9						
	ANS: D	PTS:	1	TOP:	Probability Concepts		

7. A method of assigning probabilities based upon judgment is referred to as the a. relative method

13.	An experiment consexperiment is a. 16 b. 8 c. 4 d. 2	sists of to	ossing 4 coins s	uccessi	vely. The number of sample points in this
	ANS: A	PTS:	1	TOP:	Probability Concepts
14.	Since the sun must a. much larger tha b. zero c. infinity d. None of these a	nn one		probab	bility of the sun rising tomorrow is
	ANS: D	PTS:	1	TOP:	Probability Concepts
15.	If a coin is tossed tha. zero b. 0.500 c. 0.875 d. 0.125	ree time	s, the likelihoo	d of obt	taining three heads in a row is
	ANS: D	PTS:	1	TOP:	Probability Concepts
16.					p, 25 have purchased a computer. If the classical pability that the next customer will purchase a
	ANS: B	PTS:	1	TOP:	Probability Concepts
17.	A six-sided die is to a. 1/3 b. 1/6 c. 1/27 d. 1/216	ssed 3 ti	mes. The proba	ability o	of observing three ones in a row is
	ANS: D	PTS:	1	TOP:	Probability Concepts
18.	A perfectly balanced coin is tossed 6 times and tails appears on all six tosses. Then, on the seventh trial a. tails can not appear b. heads has a larger chance of appearing than tails c. tails has a better chance of appearing than heads d. None of these alternatives is correct.				
	ANS: D	PTS:	1	TOP:	Probability Concepts