Binomial Distribution

 For a binomial distribution w a) mean = variance c) mean ≤ variance 2) For binomial distribution variance 		 vith parameters n and p b) mean > variance d) there is no relation between mean and variance 			
a) np	b) npq	c) \sqrt{npq}	d) pq		
3) For binomial	distribution the	mean is 20 and	variances is 15. So that v	alue of p is	
a) $\frac{3}{1}$	b) $\frac{1}{4}$	c) $\frac{3}{2}$	d) $\frac{2}{\pi}$	-	
4) Binomial var	4) Binomial variate has only $\frac{5}{5}$				
a) Two	b) Three	c) Four	d) None of these		
		I	Probability		
1) If two dice are rolled then the probability of getting sum of the numbers on dice as 12 is					
a) $\frac{1}{36}$	b) $\frac{5}{36}$	c) $\frac{1}{12}$	d) $\frac{1}{6}$		
2) If $P(A) = 0.0$	$50, \mathbf{P}(\mathbf{A} \cup \mathbf{B}) = 0.$	70 then $P(A) + F$	P(B) =		
a) 1.4	b) 1.3	c) 0.10	d) 0.70		
3) Probability of	of an impossible	event is always e	equal to		
a) 1	b) 0.5	c) zero	d) none of these		
4) There will be	e 53 Sundays in a	a leap year the p	robability will be		
a) $\frac{1}{7}$	b) $\frac{2}{7}$	c) $\frac{3}{7}$	d) $\frac{4}{7}$		
5) Probability of any event always lies in between					
a) –1 to +1	b) 0 to +1	c) -1 to 1	d) none of these		
6) Probability of getting a black card, when a card is drawn from a pack of cards is					
a) $\frac{1}{13}$	b) $\frac{1}{2}$	c) $\frac{4}{13}$	d) none of these		
7) The set of all possible outcomes of an experiment is called					
a) Event b) Sample space		c) Probability	d) Outcomes		
8) Probability of drawing a card of king form a pack of cards is					
a) $\frac{1}{13}$	b) $\frac{1}{4}$	c) $\frac{1}{5}$	d) $\frac{1}{16}$		

Normal distribution

1) The mode and mean of normal distribution both are 20 then median will be				
a) 25	b) 40	c) 10	d) 20	
2) If Mean and S.D. of normal variate is 40 and 8 respectively then Q.D. is				
a) 5.33	b) 5	c) 6	d) 8	
3) For normal distribution Q_1 is 92 and median is 110 so that value of Q_3 is				
a) 92	b) 110	c) 128	d) 220	
4) The area under the normal curve $\mu - 3\sigma$ and $\mu + 3\sigma$ is				
a) 0.9	b) 0.0027	c) 0.9973	d) None of these	
5) For normal distribution				
a) Mean > Med	ian b) Mee	dian > Mode	c) Mean = Median = Mode	d) None of these
6) Normal curve is				
a) J shaped	b) U sh	aped	c) Symmetric Bell shaped	d) None of these

Statistical Quality Control

1) The faults due to chance causes					
a) can be removed		b) beyond the control of human hand			
c) cannot be removed		d) sometimes may be removed			
2) Control limits of p and np charts are based upon distribution					
a) Binomial	b) Normal	c) Poisson	d) None	of these	
3) Control charts has been devised by					
a) Walter A Schwarts		b) Karl Pearso	ons	c) Amarthya Sen	d) None of these
4) control charts used for fraction defective.					
a) Mean	b) Range	c) p	d) np		
5) Control chart contains how many horizontal lines ?					
a) 4	b) 3	c) 5	d) none (of these	

6) Demands for sale f	or cold drinkers is exampl	e of			
a) Cyclic variation	b) Seasonal variation	c) Secular trend	d) none of these	e	
7) type of cau	ses can be detected and re	moved from the p	roduction process.		
a) Chance causes	b) Assignable cause	c) A and B both	d) None of thes	se	
8) control charts used for the number of defects.					
a) <i>x</i> bar b) <i>np</i>	c) <i>p</i>	d) c			
	In	dex Number			
1) In Paasche's price index number formula the weights belong to					
a) the base period	b) the current period	c) any arbitrary	period d) non	e of these	
2)) Index number is aa) Measures of relative changesb) Special type of averagec) Both a) and b)d) None of these					
3) index n	umbers is an Ideal Index	Number.			
a) Laspeyre's	b) Paasche's	c) Fisher's	d) None of these		
4) In Laspreye's price	e index number, what is us	ed as a weight ?			
a) Price in base year	b) Quantity in a base	year c) Quan	ntity in a current year	d) None of these	
5) Fisher's price index Paachels price index 1	x number is	of product of Las	preye's price index nun	nber and	
a) Square b) Sq	uare root c) Cub	e root d) None	e of these		

Time Series

1) Demands for sales for cold drinkers is an example of-----a) cyclic variation b) seasonal variation c) secular trend d) irregular variation 2) In time series data is arranged d) none of these a) geographically b) qualitatively c) chronologically 3) Irregular variations in time series are caused by _____ a) Earthquakes b) War in a country d) All the above c) Floods in the state 4) Use of an umbrella in rainy seasons is included in _____ a) Secular trend b) Seasonal variation c) Cyclic variation d) None of these 5 Variations due to unpredictable causes such as wars earthquakes etc. are called as _____

- a) Secular trend b) Seasonal variation c) Irregular variation d) None of these
- 6) A time series consists of -----
- a) Two components b) Three components c) Four components d) None of these
- 7) In time series analysis _____ components is totally unpredictable.
- a) Secular trend b) Seasonal variations c) Cyclical variations d) Irregular variations
- 8) A time series is a set of data recorded ------
- a) Periodically b) at time or space intervals c) at successive points of time d) all the above
- 9) Cyclic variations in a time series are caused by ------
- a) Earthquakes b) War in a country c) Floods in the states d) None of these
- 10) Increase in prices of commodities is an example of------
- a) Secular trend b) Seasonal variation c) Cyclic variation d) None of these