FYBMS SEM 1- Bus Statistics

			MCQ		(Bo	old = Correct Answer)			
1.	Maximum value of a) 2		(c)	1	(d) 0				
2.	Spearman's method is the method of calculating coefficient of correlation by								
	(a) Irvin Fischer	(b) Charles S	Spearman (c) Lo	renz (d)	Karl Pearson				
3.	Graph of variables having linear relation will be								
(a)	Curved	(b) Hyperbola	(c) Straight li	ne (d) Vertical line				
4.	Correlation between (a) Negative		demand is (c) Zero	(d) 100	0				
5.	Minimum value of (a) -2 (b) - 1.5		(d) 0						
6.	In case there is no (a) -2 (b)			•	coefficient of co	rrelation will be			
7.	Independent varia (a) x-axis (•	•	(d) W-a	xis				
8.	Which is the most widely used method of calculating correlation? (a) Scatter diagram (b) Karl Pearson's (c) Charles Spearman's (d) Shahid qureshi								
9.	Which one of the following is a relative measure of dispersion? (a) Standard deviation (b) Variance (c) Variance (d) Shahid qureshi								
10.	10. Which of the following is correct for a multiplicative time series model?								
	a) TX S+C+1	b) T-S+C-	1.	c) TXCx	Sx1 d) Tx	SxC-1			
11.	11. Which of the following components is used for a short-term forecast?								
	a) trend	b) cyclical	C	e) seasonal	d) none	of these			
12.	12. When the individual years (X) are changed into coded time values such that EX = 0, then:								
	a)a=Σy/n b=Σ	xy/n b)a	n=Σx/n b=Σxy/x2	c)a)	a=Σxy/n b=Σy/y2	d)None of these			
13. When the time series comprises annual data, we can find out:									

b) Secular trend

a) Seasonal variation

c) Cyclical fluctuation

d) All of these

14. Laspeyre's index is based on:								
a) B	ase year qua	antities	b) current year	quantities	c) both of them	d) aver	age of current and base year	
15. A single value which is used to represent the entire mass of data is								
a) Me	easure of ce	ntral tend	ency b) S	tatistics	c) Measure of Disper	sion	d) Skewness	
16. the em	16. the empirical relationship between Mean, Median and Mode is given by							
a) Mode	a) Mode = 3 Median - Mean (b) Mode = 2 Mean - Median (c) Mode = 3 Median - 2 Mean (d) Mode = Mean - Median							
17. The sta	17. The statistical data that can be classified according to the time of its occurrence is:							
a) Geo	a) Geographical b) Chronological c) Quantitative d) Qualitative							
18. for the	18. for the given data 7, 8, 9, 9 and 17							
a) Mea	n is greater	than Med	ian b) Median g	reater than M	Node c) Mode is grea	ater than	Mean d) None of these	
19. Two distributions with 30 and 40 items have mean 158 and 162 respectively. The combined mean of two distributions will be:								
a) 162	b) 160.28	C) 160.29	d) 157.99			
20. in a moderately symmetrical distribution, the mode is 40 and Median is 44, the value of mean will be:								
a) 43	I	b) 46	c) 57.	3	d) 58.0			
21. In case of stage decision making problem, a decision is to be chosen the process from the given list of well defined alternatives.								
(a) onl	(a) only once at the beginning of (b) many times in (C) never in. (d) not necessarily at the beginning							
22. In the problem of decision making all possible situations are								
(a) soi	metimes knov	vn (b) never known	(c) alw	ays known (d	d) rarely l	known	
23. Decisio	on maker has	s over the	occurrence of	situation.				
(a) al	lways control		(b) no control	(c) s	ometime control	(d) ra	rely control	
24. The possible situation in decision making are all known, there is of exact situation that will occur in future at the time of decision making.								
(a) so	ome knowled	ge	(b) complete	knowledge	(c) partial know	ledge	(d) no knowledge	
25. Chances of occurrence of situations are. known at the time of decision making under certainty.								
(a) r	never	(b) rarel	y (c) so	ometimes	(d) always			
26. Decision maker defines effectiveness measure which is combination of								
(a) de	ecision and p	robability	(b) situation ar	nd pay off	(c) situation and de	ecision	(d) situation and probability	

27. The nature of views of decision maker is

(a)maximisation type	(b) minimisation type	(c) optimistic, pessimis	stic and normal (d) stationary type				
28. In case of pay-off table available maximax criterion can be considered as							
(a) optimistic view	(b) pessimistic view	(c) normal view	(d) sedistic view				
29.In case of pay-off matrix being available for decision making then maximum criterion can be considered as							
(a) optimistic view	(b) pessimistic view	(c) normal view (d)	absurd				
30. Decision makers views ma	y be classified as						
(a) pessimistic type	(b) maximisation type	(c) minimisation type	(d) none of these				
31. In case of pay-off matrix av	ailable for decision making	then maximise average	can be considered as				
(a) optimistic view	(b) pessimistic view (c) no	ormal view (d) ab	surd				
32. In case of opportunity loss	matrix being available for d	lecision making then m	ninimum criterion is considered as				
(a) optimistic view	(b) pessimistic view (c) normal view (d) ab	surd				
33. A numerical value used as a A) Population Parameter	summary measure for a sa B) Sample Parameter	mple, such as a sample C) Sample Statistic	mean, is known as a D) Population Mean				
34. Statistics branches include A) Applied Statistics	B) Mathematical Statistics	C) Industry Statistics	D) Both A and B				
35. To enhance a procedure the co	•	•	cs are classified into D) Statistical Tools				
36. Sample statistics are also rep A) Lower Case Greek Let		C) Associated Roman Alpl	nabets D) Upper Case Greek Letter				
37. Individual respondents, focus A) Primary Data Sources	groups, and panels of resp B) Secondary Data Sources	•					
38. The variables whose calculati	on is done according to the	e height, length and weig	ght are categorised as				
A) Discrete Variables	B) Flowchart Variables C) I	Measuring Variables D)	Continuous Variables				
39. A method used to examine influence products is classified as	lation rate anticipation, une	mployment rate and cap	pacity utilization to produce				
A) Data Exporting Technique	ue B) Data Importing Ted	chnique C) Forecastin	g Technique D) Data Supplying				
40. Graphical and numerical meth	ods are specialized process	ses utilised in					
A) Education Statistics B) D	escriptive Statistics	C) Business Statistics	D) Social Statistics				
41. The scale applied in statistics	which imparts a difference	of magnitude and propo	ortions is considered as				
A) Exponential Scale B)	Goodness Scale C) Ra	atio Scale D) Sati	sfactory Scale				
42. Review of performance appraiexamples of	sal, labour turnover rates, p	planning of incentives a	nd training programs and are				

43. Quantitative d	lata is the data t	that possess	_		
(a) Ratio Sca	ale (b)	Exponential Scale	e (c) Statistics i	n Production	(d) numerical properties
			king an intelligent judgme (c) numerical properties.		Scale
45is used, wh		_	s infinite (c) Sample method (d) A	II	
			ower-class limit is called_ of class-interval		(d) Statistics in Marketing
47 Weight is a (a) Continue		erical (c) Ratio (d) Production		
48. If X takes value (a) numerical		X is calledv e (c) interview			
49is always ed (a) Mean	•	een third quartile (c) Mix (d) Me	•		
50. Mean. Median (a)Continuous (-	(c) symmetrical distrib	ution (d) None	

B) Statistics in Marketing C) Statistics in Finance D) Statistics in Personnel Management

A) Statistics in Production