CA, CS & CWA

SRI GURU SARVA INSTITUTE OF MANAGEMENT, TIRUPUR CA FOUNDATION – MODEL TEST 1

	ORTOONDATION - MODEL TEOT T
Total M	IterationBusiness Mathematics and Logical Reasoning & StatisticsTime: 2 hoursTime: 2 hoursTime: 2 hours
Total N	o. of Questions: 100 No. of Printed pages: 5
	PART – A BUSINESS MATHEMATICS
1.	$\int \frac{(2x+3)}{x^2+3x+7} dx \text{ is equal to}$
	(a) $\sqrt{2x+3} + c$ (b) $\sqrt{x^2 + 3x + 7} + c$ (c) $\log [x^2 + 3x + 7] + c$ (d) $\log \sqrt{x^2 + 3} + 7 + c$
2.	If $y = (e^x)^{\log x}$, then $\frac{dy}{dx}$ is equal to
	(a) $(1+\log x)$ (b) $y(1+\log x)$ (c) $y(1 + (\log x)^2)$ (d) None
3.	If $A = \{a,b\}$; $B = \{c,d,e\}$ and $C = \{c,d,e,f\}$ then $n(Ax(B \cap C))$ is equal to
	(a) 5 (b) 6 (c) 7 (d) None of these
4.	Let a be the AM and b c be two GMs between two positive numbers. Then, $\frac{b^3 + c^3}{c^3}$ is equal to
	abc
5	(a) 0 (b) ± 2 (c) -2 (d) 2
э.	At what rate of interest would an amount become 3 times in 10 yr? (a) 11 6% (b) 110(
<i>.</i>	(a) 11.6% (b) 11% (c) 12% (d) None
6.	If $x : y = 3 : 2$; $y : z = 3 : 5$, then $x : y : z$ is
-	(a) $9:6:10$ (b) $10:9:6$ (c) $12:9:6$ (d) None
7.	If $\log_e 2 \log_x 625 = \log_{10} 16 \log_e 10$, then x is
0	(a) 7 (b) 5 (c) 8 (d) None
8.	In how many ways can the letters of the word "DIRECTOR" be arranged so that the three vowels are never together?
	(a) 39600 (b) 18000 (c) 18002 (d) None of these
9.	Evaluate $\int \frac{e^x (x^2+1)}{(x+1)^2} dx$
	(a) $e^x \left[\frac{x-1}{x+1}\right] + c$ (b) $e^x \left[\frac{x+1}{x-1}\right] + c$ (c) $-e^x \left[\frac{x-1}{x+1}\right] + c$ (d) None
10.	If α and β are the roots of the equation $x^2 - q(1+x) - r = 0$, then the value of $(1+\alpha)(1+\beta)$ is
	(a) $1-r$ (b) $1+r$ (c) $q-r$ (d) $q+r$
11.	If $\log_2 x + \log_3 x + \log_{32} x = \frac{23}{15}$, then the value of x is
	(a) 8 (b) 5 (c) 2 (d) None of these
12.	There are 3 copies each of two books and two copies each of five books. In how many ways can a book seller
	arrange the 16 books in a shelf, so that the copies of the same book are never separated?
	(a) 5040 (b) 5030 (c) 5000 (d) None of these
13.	The compound ratio of 4 : 3, 9: 13, 26 : 5 and 2 : 15 is
	(a) $\frac{4}{25}$ (b) $\frac{16}{25}$ (c) $\frac{18}{27}$ (d) None
14.	Earnings from a new machine after taxes (cost savings or profits) are expected to be Rs. 34,000 per year. The
	machine costs Rs. 150000 and after 5 yr, it has no resale value. A loan can be made for this amount payable in five
	equal annual installments at 5% per annum on the unpaid balance of the loan. Should management buy the machine?
	(a) It should not be purchased (b) It should be purchased (c) Cannot determined (d) None
15	The sum of the digits of a two digit number is 12. If the digits are reversed, the number is decreased by 18, Find the
	number (a) 75 (b) 93 (c) 84 (d) 57
16.	Two vessels contain equal quantity of mixtures of milk and water in the ratio 5: 2 and 6: 1 respectively. Both the
J	mixtures are now mixed thoroughly. Find the ratio of water to milk in the new mixture so obtained
	(a) 3 : 11 (b) 11 : 3 (c) 30 : 2 (d) 2 : 30
17.	If $a^x = b^y = c^z$ and x,y,z in GP, then log a, log b and log c are in
	(a) AP (b) GP (c) Both AP and GP (d) None
18.	How many 3-digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9 Which are divisible by 5 and none of the
	digits is repeated ? (a) 5 (b) 60 (c) 100 (d) 20

19.	Evaluate $\int \frac{1}{3x^2 + 13x - 10} dx$
	(a) $\frac{1}{17} \log \left[\frac{3x^2 - 2}{3x^2 + 15} \right] + c$ (b) $\frac{1}{17} \log \left[\frac{3x - 2}{x + 5} \right] + c$ (c) $\frac{1}{17} \log \left[\frac{3x + 15}{3x - 2} \right] + c$ (d) None
20.	If $y^3 x^5 = (x + y)^8$, then $\frac{dy}{dx}$ is
	(a) $\frac{y}{r}$ (b) $\frac{-y}{r}$ (c) $\frac{y^2}{r^3}$ (d) None of these
21.	A person deposited a sum of Rs. 10000 in a bank after 2 yr, he withdrew Rs. 4000 and at the end of 5 yr, he received
	an amount of Rs. 7900; then the rate of sample interest is (a) 6% (b) 5% (c) 10% (d) None
22.	$\int_{0}^{1} \frac{x \cdot e^{x}}{(x+1)^{2}} dx \text{is equal to} \qquad (a) \frac{e}{2} + 1 \qquad (b) \frac{e}{2} - 1 \qquad (c) \frac{e^{2}}{2} - 1 \qquad (d) \frac{e^{2}}{2} + 1$
23.	If $y = x^y$, then $\frac{dy}{dx}$ is equal to (a) $\frac{y^2}{(1-y\log x)}$ (b) $\frac{y^2}{x(1-y\log x)}$ (c) $\frac{1}{x(1-y\log x)}$ (d) $\frac{y}{x(1-y\log x)}$
24.	If a,b and c are in GP, then $\frac{1}{bc}$, $\frac{1}{ca}$ and $\frac{1}{ba}$ are in (a) AP (b) GP (c) HP (d) HM
25.	20 persons were invited for a party. In how many ways can they and the host be seated at a round table, if there is no restriction? (a) $21!$ (b) $20!$ (c) $21!-1$ (d) $20!-1$
26.	Dinesh and Hiren are friends. Dinesh borrowed a sum of Rs. 40000 at 5% per annum simple interest from Hiren. He
	returns with interest after 2 yr. Hiren returns to Dinesh 3% of total amount returned. How much amount Dinesh
27	receives back? (a) 4000 (b) 1320 (c) 2680 (d) None of these $16 = 21/4 + 2 \cdot 1/4$ and $h = 21/4 + 2 \cdot 1/4$ then the values of $2 \cdot (2 \cdot 1/2)$ (c) $\frac{64}{4}$
27.	If $a = 5^{n} + 5^{n}$ and $b = 5^{n} - 5^{n}$, then the value of $5(a^2 + b^2) = (a) \frac{1}{3}$ (b) 64 (c) - 64 (d) None
28.	If $\frac{1}{4} = \frac{1}{5} = \frac{1}{9}$, then $\frac{1}{r}$ is (a) 4 (b) 3 (c) 2 (d) 1
29.	The value of $\sqrt{6 + \sqrt{6 + \sqrt{6 + \cdots \infty}}}$, is (a) 1 (b) 2 (c) 3 (d) None
30.	What is the value of x, if $\log_5 (x + 12) - \log_5 x = 1$ (a) 3 (b) 2 (c) 1 (d) 0
31.	The 6^{th} term from the end of the GP, 8,4,2,1,, 1/1024 is (a) 1/64 (b)32 (c) 1/32 (d) none
32.	The roots of the equation 9 [$y^2 + \frac{1}{y^2}$] - 27[$y + \frac{1}{y}$] + 8 = 0 are
	(a) $-1 \pm \sqrt{2}$, $\frac{1}{3}$ (b) 3,1 (c) Either (a) or (b) (d) Neither (a) nor (b)
33.	A person aged 45 wishes his wife to have Rs. 40 lakhs at his death. His expected life is upto 75 yr and he starts
	making equal annual investments commencing now at 3% compound interest per annum, for this his annuity will be $C_{1}^{(1)} = 0.023^{30} - 2.42726$ (1) 84250 (1) 84077 (1) 84100 (1) 84
34	Given $(1+0.03)^{30} = 2.42726$ (a) 84250 (b) 84077 (c) 84100 (d) None Find the number of ways in which 12 mangaes may be equally divided among 3 hoys?
54.	(a) 34650 (b) 36450 (c) 35650 (d) 34560
35.	Find the three numbers in GP whose sum is $(57/2)$ and product is 729 (a) 3,9.27 (b) 6, 9, $\frac{27}{2}$ (c) 4,8,16 (d) None
36.	In an organization Employeer required maximum ten employees. X and Y are numbers
	of male and female respectively then which inequality shows right relation.
	(a) $x+y = 10$ (b) $x+y \le 10$ (c) $x+y \ge 10$ (d) $x \ge 10$
37.	If $A = \{a,b,c\}$ and $R = \{(a,a), (a,b), (b,c), (b,b), (c,c), (c,a)\}$ is a relation on A, then which one of the following is
	(a) R is reflexive symmetric and transitive (b) R is reflexive and symmetric but not transitive
	(c) R is reflexive and transitive, but not symmetric (d) R is reflexive and symmetric nor transitive
~	
38.	If $A = \begin{bmatrix} 3 & 0 & -2 \\ 1 & 0 & 2 \end{bmatrix}$ then find adj A
3	
	(a) $\begin{vmatrix} -11 & 1 & 8 \\ 0 & 1 & 2 \end{vmatrix}$ (b) $\begin{vmatrix} 11 & 1 & 8 \\ 0 & 1 & 2 \end{vmatrix}$ (c) $\begin{vmatrix} 3 & 1 & -1 \\ 2 & 0 & 2 \end{vmatrix}$ (d) None
39.	If $n(A) = 115$, $n(B) = 326$ and $n(A-B) = 47$ then $n(AUB) = ?$ (a) 373 (b) 165 (c) 370 (d) 394
40.	A square is drawn by joining mid-points of the sides of a square. Another square is drawn inside the second square in
	the same way and the process is continued indefinitely. If the side of the first square is 16 cm, then what is the sum of
	the areas of all the squares ? (a) 341 sq. cm (b) 512 sq. cm (c) 1024 sq. cm (d) 512/3 sq. cm

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			PART B – LOG	ICAL REASON	NING			
41.	120, 99, ?, 63, 4	18, 35.	(a) 80	(b) 36	(c) 45	(d) 40		
42.	1, 4, 10, 22, ?, 9) 4	(a) 46	(b) 48	(c) 49	(d) 47		
43.	1, 1, 4, 8, 9, ?, 1	6, 64	(a) 27	(b) 28	(c) 32	(d) 40		
44.	2, 3, 3, 5, 10, 13	3, 39, ?, 172, 177	(a) 42	(b) 44	(c) 43	(d) 40		
45.	5, 2, 7, 9, 16, 23	5, 41, ?	(a) 65	(b) 66	(c) 67	(d) 68		
46.	If RED is coded	1 as 6720 then GRE	EN would be cod	ed as			11/1	
	(a) 9207716	(b) 167129 (c)) 1677209 (d)	1972091				
47.	If A = 1, FAT =	= 27, FAITH = ?	(a) 44	(b) 45	(c) 46	(d) 36	1/1	
48.	If GOLD is wri	tten as IQNF, how	WIND can be writ	tten as code?			<i>2. O</i> .	
	(a) YKPF (b) VHCM (c) XJOE (d) DNIW						\mathcal{A}	
	Directions: Fir	id odd One out of f	the following (49	- 51):		\sim	× ·	
49.	4, 5, 7, 10, 14,	18, 25, 32	(a) 7	(b) 14	(c) 18	(d) 33		
50.	156, 468, 780,	1094, 1404, 1760	(a) 468	(b) 780	(c) 1094	(d) 1716		
51.	8, 14, 26, 48, 98	3, 194, 386	(a) 14	(b) 48	(c) 98	(d) 194		
52.	A driver left his	village and drove I	North for 20 km, a	after which he sto	opped for breakf	ast. Then he tu	rned left and	
	drove another 3	0 km, when he stop	ped for lunch. Af	ter some rest, he	again turned lef	t and drove 20	kms before	
	stopping for eve	ening tea. Once mor	re he turned left a	nd drove 30 kms	to reach the tow	'n where he hac	l supper. After	
	evening tea in v	which direction did l	he drive?	~	(1)			
	(a) West	(b) East (c)) North (d)	South				
53. Five boys A, B, C, D, E, are sitting in a park in a circle. A is facing South-West, D is facing South-East,						ast, B and E are		
	right opposite A	A and D respectively	y and C is equidisi	tant between D a	nd B. Which dir	ection is C faci	ng?	
~ 4	(a) West	(b) South (c)) North (d)	East				
54.	Six persons M,	N, O, P, Q and R at	re sitting in two ro	w with three per	sons in each rov	v, Both the row	are in front of	
each other. Q is not at the end of any row. P is second the left of R. O is the neighbour of Q and c					r of Q and diag	onally opposite		
	to P. N is the ne	h) O	1s in front N? (U)	PSC (CSAT) 201 M	1)			
<i></i>	$(a) \mathbf{K}$	$(\mathbf{D}) \mathbf{Q} \qquad (\mathbf{C})$					(h	
55.	In a conege par	f_{O} Who is sitting	g in a row. P is to	the left of M and	to the right of C	J. K is sitting to	the right of N	
	but to the left 0	(b) \mathbf{P}	In the middle (d)	М				
	(a) O	(U) K (C)	W X V and 7	are sitting in a st	troight ling facin	a north Waita	fifth to the right	
	of T W does no	even menus 1, 0,	$\mathbf{w}, \mathbf{X}, \mathbf{T}$ and \mathbf{Z}	ale situng in a si	Tangin nine racin \mathbf{Z} and \mathbf{X} . \mathbf{V} sits t	bird to the left	of U V site	
	exactly in the n	hiddle. Z is not an ir	nne elius. I wo pec	ur of V		lind to the left	of 0. T sits	
56	What is Z's pos	vition with respect to	$\sim W^2$	ui of 1.				
50.	(a) Second to the	he left (b) Third to the	b w	Fourth to the left	(d)	Third to the lef	` +	
57	If P is the hush	and of Ω and R is the	e mother of S and	\mathbf{O} What is R to	(U) (D)	Third to the lef	ι	
57.	(a) Mother	(b) Sister (c)	Δunt (d)	Mother_in_law	1.			
58	X and X are the	children of A A is	the father of X b	ut Y is not his so	n How is Y rela	ated to A?		
50.	(a) Sister	(b) Brothe	er (c)	Son (d)	n: now is i reit Daughter			
	(Question 59 &	60): Each of the fo	ollowing question	s contains two st	atements follow	ed by conclusio	ons numbered I	
4	and I. You have to consider the two statements to be true, even if they to be at variance at the commonly known							
.0)	facts. You have to decide which of the given conclusion definitely follows from the given statements							
CL	Given answer (a) if only I follows: (b) if only conclusion II follows: (c) if either I or II follows: and (d) neither I nor							
2,	II follows	,	(-) 5		.,	, und ((~, 1 101	
59	Statement:	Some Chairs are of	lasses. All tree ar	e Chairs				
27.	Conclusions:	I. Some trees are g	lasses. II. Some	glasses are trees.				
60.	Statement:	No man is a lion	Ram is a man.					
	Conclusions:	I. Ram is not a lior	n. II. All men are	not Ram.				

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		PART C - S	<u>STATISTICS</u>			
61.	The combined mean of three	groups is 12 and the corr	bined mean of first two	p groups is 3. If the firm	st, second and	
	he complete mean of three groups is 12 and the complete mean of third groups is 5. If the most second and hird groups have 2,3 and 5 items respectively, then the mean of third group is					
	(a) 10 (b) 21	(c) 12	(d) 13			
62.	A frequency distribution can	be presented graphically	by a			
	(a) pie diagram	(b) histogram	(c) line gram	(d) all of t	he above	
63.	A bag contains 3 red. 5 vello	w and 4 green balls. 3 ba	alls are drawn at randon	n. Find the chance that	balls drawn	
	contain exectly two green he	$\frac{11}{10}$ (a) $\frac{12}{12}$	$(h)\frac{10}{10}$	$(2)\frac{13}{13}$	(d) Nona	
- 1	contain exactly two green ba	$\frac{(a)}{55}$	$(0)\frac{1}{55}$	$(c) \frac{1}{55}$		
64.	A committee of 4 persons is	to be appointed from 3 of	ficers of the production	n department, 4 officers	s of the purchase	
	department, two officers of the	ne sales department and I	Chartered Accountant	. Find the chance there	must be one	
	from each category	(a) $\frac{4}{35}$	(b) $\frac{3}{35}$ (c)	$\frac{1}{7}$ (d) None	of these	
65.	Cost of living Index Number	(CLI) is expressed in terr	ns of			
	(a) $\frac{\Sigma P_n Q_0}{2} \times 100$	(b) $\frac{\Sigma P_n Q_n}{Q_n}$	$(c) \frac{\Sigma P_{o} Q_{n}}{Q_{n}}$	(d) None	`	
	$(a) \sum_{\Sigma P_0 Q_0} X 100$	$(\mathcal{D})_{\Sigma \mathcal{P}_{oQ_0}}$	$(\mathcal{L})_{\Sigma P_{nQ_n}}$	(d)/1 tolk		
66.	Between 1990 and 2000, the	price of a commodity inc	creased by 60% while the	ne production decrease	d by 30%. By	
	what percentage did the value	e index of production of a	commodity change in 2	000 with respect to its	value 1990?	
	(a) 10%	(b) 15%	(c) 12%	(d) None		
67.	The consumer price index ov	er a certain period increa	sed from 120 to 215 an	d the wages of worker	increased from	
	Rs. 1680 to Rs. 3,000. What	is the loss of the worker	?	- 7		
	(a) 5.58	(b) 6.58	(c) 7.58	(d) None		
68.	Which is the appropriate mea	asure of dispersion for op	en-end classification?			
	(a) Range	(b) Quartile deviation	n (c) mean d	eviation (d) Stand	lard deviation	
69.	Consider the two regression	lines $3x + 2y = 26$ and $6x$	x + y = 31. Find the me	an values of x and y.		
	(a) 4 and 7	(b) 7 and 4	(c) 5 and 6	(d) None	of these	
70.	70. Consider the two regression lines $3x + 2y = 26$ and $6x + y = 31$ find the correlation coefficient between X and Y.					
	(a) 0.5	(b) - 0.5	(c) 0.6	(d) None		
71.	If $P(A) = \frac{1}{2}$; $P(B) = \frac{1}{3}$; and $P(A) = \frac{1}{2}$	$(A \cap B) = \frac{1}{4}$, then the value	the of $P(A' \cap B')$ is			
	(a) $\frac{1}{2}$ (b)	$\frac{3}{2}$ (c)	<u>2</u> (d) None		
72	$\frac{(1)}{4}$	4 noremater 1: then find D	$5 \tag{Civon}$	$a^{-1} = 0.36783$		
12.	(a) 0.015326	(b) 0.15326	(3 < X < 3) (01/01/	(d) None		
73	(a) 0.015520 Find the variance of hinomia	1 distribution with n = 10	(C) 0.012320	(u) None		
75.	$\begin{array}{c} 1 \text{ find the variance of of of onto find } \\ (a) 2 1 \\ (b) \end{array}$	$\frac{1}{3}$	0, 1 = 0.3 (d)	None		
74	In series of 5 observations th	e values of mean and var	iance are 4.4 and 8.24 r	respectively. If three of	servations are	
/	1 2 and 6 then the value of o	ther two observations are	ance are 4.4 and 0.24 r	espectively. If the of	servations are	
	(a) 3.2 (b)) 4 9	(c) 10.4	(d) None		
75	Normal distribution is	,,,,	(0) 10,4	(u) Hone		
75.	(a) bi-modal distribution	(b) uni-modal distribu	ution (c) Either	r(a) or (b) (d) B	oth (a) and (b)	
76	When the data is not collecte	d by the researcher, but i	s obtained through anot	ther source it is called		
70.	(a) Primary data	(b) purchased data	(c) seconda	rv data (d)	None of these	
77	When the correlation coeffic	vient $\mathbf{r} = \pm 1$ then the two	regression lines are	(0)		
$\langle X \rangle$	(a) perpendicular to each oth	er (b) coincide	(c) narallel	to each other (d) do not exist	
78.	Let L be the lower class bour	ndary of a class in a frequ	ency distribution and n	h be the mid-point of th	e class. Which	
J	one of the following is the hi	gher class boundary of th	e class?	a oo alo illo pollo of a		
	m+2	(b) $L + \frac{m+L}{m+L}$	(a) 2m I	(4) 01		
	(a) $m + \frac{1}{2}$	$(0)L + \frac{1}{2}$	$(\mathbf{C}) \ 2m - \mathbf{L}$	(a) m - 2L		
79.	In a binomial distribution with	th 6 independent trials. T	he probability of 3 and	4 successes is found to	be 0.2457 and	
	0.0819, respectively. Find th	e parameters p and q of t	he binominal distribution	on		
	$(a)\frac{2}{13}, \frac{1}{13}$	(b) $\frac{4}{13}$, $\frac{9}{13}$	(c) $\frac{5}{13}$, $\frac{2}{13}$	(d) None		
	10 10	10 10	10 10			

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 80. Find the coefficient of variation, if the sum of squared deviations taken from mean 40 of 10 observation is 360 (a) 15 (b) 20 (c) 40 (d) None
81. The coefficient of regression of Y on X is $b_{yx} = 1.2$. If $U = \frac{X - 100}{2}$ and $V = \frac{Y - 200}{2}$. Find b_{yy}
(a) 0.9 (b) 0.8 (c) 0.7 (d) None of these
82. Find 82 percentile from the following data
Rs. 82, Rs. 56, Rs. 90, Rs. 50, Rs. 120, Rs. 75, Rs. 75, Rs. 80, Rs. 130, and Rs. 65.
(a) Rs. 120.20 (b) Rs. 135.20 (c) Rs. 85.30 (d) Rs. 150.75
83. For a moderately skewed distribution, quartile deviation and the standard deviation
are related by: (a) S.D. = $(2/3)$ Q.D (b) S.D. = $\frac{3}{4}$ Q.D (c) S.D. = $\frac{4}{3}$ Q.D (d) S.D. = $\frac{3}{2}$ Q.D.
84. If the median of Find the value of $\frac{x}{5}$, $\frac{x}{3}$, $\frac{x}{6}$, $\frac{x}{2}$, $\frac{x}{7}$ and x is 24. Find the value of x.
(a) 72 (b) 49 (c) 90 (d) 52
85. A lady travel at a speed of 120km/h and returned at quicker speed. If her average speed of the whole journey is
150km/h, find the speed of return journey (in km/h).
(a) 250 (b) 300 (c) 200 (d) None
86. Which measure of dispersion is best for open end classes?
(a) Range (b) Quartile deviation (c) Mean deviation (d) Standard deviation
87. Coefficient of Variation II Median = 23, Mode = 29 and Variance = 100 is (a) 10% (b) 50% (c) 20% (d) None of these
(a) 10% (b) 50% (c) 20% (d) None of mese 88 If the standard deviation of 0, 1, 2, 3, 9 is k, than standard deviation of 10, 11, 12, 13, 19 is
(a) 10k (b) $k+10$ (c) k (d) $k+\sqrt{10}$
89. The standard deviation calculated from a set of 32 observations is 5. If the sum of the observations is 80, what is the
sum of the squares of these observations ? (a) 10 (b) 1000 (c) 100 (d) 2000
90. Sum of deviation from mean for any set of observation is
(a) Negative (b) Positive (c) Zero (d) None of these
91. If the correlation coefficient $r = \pm 1$ for the random variables X and Y, then the lines of regressions of Y on X and Y
on Y
(a) are perpendicular to each other (b) coincide (c) intersect with acute angle
(d) are parallel to each other.
92. If $byx = 1.24$, $bxy = 0.36$, $x = 5.5$, $y = 8.8$, then regression equation of y on x is given by (a) $y = 1.24$ y $+ 1.08$ (b) $y = -1.24$ y $+ 1.08$ (c) $y = 0.2$ y $+ 2.86$ (d) None of these
(a) $y = 1.24 x + 1.96$ (b) $y = -1.24 x + 1.96$ (c) $x = 0.5 y + 2.80$ (d) Note of mess
v? (a) -2/7 (b) 2/7 (c) 4/49 (d) None of these
94. Spearman's correlation co-efficient from 10 pairs of observations was calculated at 0.8. Subsequently, it was
discovered that the difference in ranks relating to one pair of items was wrongly taken as 7 instead of 9. Correct the
co-efficient of rank correlation. (a) 0.51 (b) 0.61 (c) 0.71 (d) 0.81
95. Laspeyre's index is based on (a) Base Year Quantities (b) Current Year Quantities
(c) Average of base and current year Quantity (d) None of these.
96. Regression coefficient are
(a) dependent of change of origin and of scale. (b) independent of both change of origin but not of scale.
97 is the entire upper part of the table which includes columns and sub-column and unit of
measurement. (a) Stub (b) Box-head (c) Body (d) Caption
98. Hidden trend, if any, in the data can be noticed inTextual presentation (b) Tabulation (c) Diagrammatic
representation (d) All of these
99. The average of 17 numbers is 45. The average of first 9 of these numbers is 51 and the last 9 of these numbers is 36.
Find the 9th number?(a) 5(b) 14(c) 18(d) None of these
100. Damages due to floods, droughts, strikes fires and political disturbances are:
(a) Trend (b) Seasonal (c) Irregular (d) Cyclical
♦ ALL THE BEST ♦