# P.G. ENTRANCE EXAMINATION, APRIL 2022

# MASTER OF COMPUTER APPLICATION (MCA)

Time	: Two	Hours			Maximum: 400 Marks
			ach question carr	ries 4 marks. r each wrong answer	S Key to propresent reli
	XX71 : -1.				api damini (A)
1.	Which	of the following IP addre			
	(A)	Class A.	(B)	Class B.	tasi natanga (13)
	(C)	Class C.	(D)	Class D.	to The distribuse adder
2.	Which	layer of the OSI referen	ce model uses the	e ICMP (Internet Co	ntrol Message Protocol)?
	(A)	Transport layer.	(B)	Data link layer.	
	(C)	Network layer.	(D)	Application layer.	e examance for the name
3.	What	does DHCP stand for ?			(A) 4 ME.
	(A)	Dynamic Host Configu	ration Protocol.		2(N.3, 13)
	(B)	Dynamic Host Configu	ration Provider.		ridinga oni actually 11.
	(C)	Digital Host Communic	cation Provider.		DESCRIPTION OF THE
	(D)	Digital Host Communic	cation Protocol.		
4.	Which	of these is a Transmission	on media that car	n be used in LAN?	
	(A)	Fibre optics.	(B)	Coaxial cable.	
	(C)	Microwave.	(D)	Satellite.	1000 - 2010
5.	-	topology requires	a multipoint con	nection.	English (A)
	(A)	Star.	(B)	Mesh.	4101 (b)
	(C)	Ring.	(D)	Bus.	all result and Share St.
6.	The vi	ew of total database cont	ent is:	E. L. Builde, S. Commission	Libraria X (AVIII)
	(A)	Conceptual view.	(B)	Internal view.	d ban 0 = 32 = 20)
	(C)	External view.	(D)	Physical view.	graveffel add to $O = 0$

7.	Which	type of database stores data in two	-dime	nsional tables?
	(A)	Network.	(B)	Hierarchical.
	(C)	Table.	(D)	Relational.
8.	Key to	represent relationship between tab	les is	called:
	(A)	Primary key.	(B)	Secondary Key.
	(C)	Foreign Key.	(D)	None of these.
9.	The da	tabase schema is written in :		the Book - Louis in
	(A)	HLL.	(B)	DML.
	(C)	DDL.	(D)	DCL.
10.	Which	forms have a relation that contain	s infor	mation about a single entity?
	(A)	4 NF.	(B)	2 NF.
	(C)	5 NF.	(D)	3 NF.
11.	What is	s the number of outputs of a full ac	lder ci	
	(A)	Two.	(B)	Three.
	(C)	Four.	(D)	One.
12.	Find ou	at the result of the BCD addition.		realisate monovioramente a el seculo la dis-
	0110 +	0101 :		
	· (A)	10001.	(B)	11001.
	(C)	1011.	(D)	1111.
13.	A JK fl	ip-flop in the toggle mode has:		
	(A)	K = 1 and $J = 1$ .	(B)	K = 1 and $J = 0$ .
	(C)	K = 0 and J≈ 1.	(D)	K = 0 and $J = 0$ .
14.	One of	the following addressing modes is	not po	essible in 8085:
	(A)	Indexed addressing.	(B)	Indirect addressing.
	(C)	Direct addressing.	(D)	Indirect register address.

15.	8085 1	microprocessor has 5 hardware inte	rrupt	s: Die testeurie a lo servit dremos o't - 12
	(A)	RAP, RST 6.5.	(B)	RST 7.5, RST 5.5.
	(C)	INTR.	(D)	None of the above.
16.	Miner	al acids are :		(C) Have the same molecular formula
	(A)	Naturally occurring.	(B)	Man-made.
	(C)	Include malic acid.	(D)	Include formic acid.
17.	The co	ncept of strong and weak acids and	base	es was given by :
	(A)	Lewis.	(B)	Newland.
	(C)	Al-Razi.	(D)	Pearson.
18.	Disting	ction between a weak acid or strong	acid	can be made through:
	(A)	Litmus indicator.	(B)	Methyl orange indicator.
	(C)	Universal indicator.	(D)	Phenolphthalein indicators.
		response lists all of the following properties?	roper	ties of sulfur that are physical properties and not
	(I) It	reacts with hydrogen when heated.		eM (C)
(	(II) It	is a yellow solid at room temperatur	e.	one baseing advances bearing ad any surface. 25
(I	II) It	is soluble in carbon disulfide.		entered and America.
(1	(V) Its	density is 2.97 g/cubic centimeter.	*	
(	(V) It	melts at 112 degrees Celsius.		(C) India and Pasistana
	(A)	II, III, IV and V.	(B)	II, IV and V.
	(C)	I. Static calles.	(D)	II, III and IV. military parameter (13)
0.	How ma	any atoms are in one mole of CH <sub>3</sub> O.	H?	28. The utomoun energy required to remove
	(A)		(B)	$6.0 \times 10^{23}$ .
	(C)	$12.0 \times 10^{23}$ .	(D)	3.

21	Two iso	omeric forms of a saturated hydroc	arbon	that the while is and to say one or into 580% ". 5 p. A			
	(A)	Have the same structure.	(83.	A) RAP REP 65			
	(B)	Have different compositions of ele	ement				
	(C)	Have the same molecular formul	a.	with dayerst across see			
	(D)	Have a different content of the is	sotope	s of hydrogen.			
22.	What r	nakes carbon such a unique eleme	nt?	the chiese allow that yet (D)			
	(A) Elemental carbon comes in two forms, diamond and graphite.						
	(B).	Carbon forms four bonds, altho	ugh th	ne ground state configuration would predict th			
		formation of fewer bonds.		A Part of the second of the se			
	(C)	To a greater extent than any oth chains, branched chains and ring		ement, carbon can bond to itself to form straigh			
	(D)	Carbon has two stable isotopes, o	carbon	-12 and carbon-13.			
23.	The ch	emical symbol for manganese is:		sension and to the stall persons a factor of the			
	(A)	Mn.	(B)	Mo.			
	(C)	Ma.	(D)	Mg.			
24.	Sulfur	can be mined from the ground and	the s	tates exporting it around the world are:			
	(A)	Poland and America.	(B)	China and India.			
	(C)	India and Pakisthan.	(D)	Brazil and Poland.			
25.	The con	nversion of sulfur dioxide (SO) to s	ulfur t	trioxide (SQ) is basically :			
	(A)	Reversible reaction.	(B)	Irreversible reaction.			
	(C)	Dynamic reaction.	(D)	Static reaction.			
26.	The mi	nimum energy required to remove	an ele	ectron is called:			
	(A)	Stopping potential.	(B)	Kinetic energy.			
	(C)	Work function.	(D)	None of these.			

27. The waves used by artificial satellites for communication is:

(A) Microwaves.

(B) Infrared waves.

(C) Radio waves.

(D) X-rays.

28. Data signal with minimum error is generated by which among the following:

- Signal processing circuits.
- (B) Photodiode.

Linear circuitry.

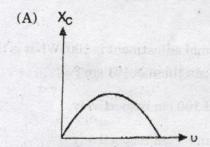
(D) None of the above.

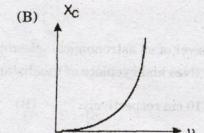
29. Which of the following has/have zero average value in a plane electromagnetic wave?

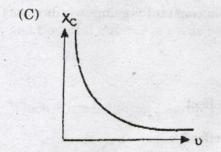
- (A) Both magnetic and electric fields. (B) Electric field only.

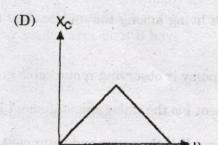
- Magnetic field only.
- (D) None of these.

Which of the following graphs represents the correct variation of capacitive reactance X<sub>c</sub> with frequency v u?









31. What is the unit of Astronomical Distance?

(A) Light year.

(B) Angstrom.

(C) Weber.

(D) Lux.

32.	wall and	n stands at the middle point of a valid floor of a room, while continuing standing at the middle point of the	ng to r	n ladder which starts slipping between a vertical emain in a vertical plane. The path traced by a ing:
		A parabolic path.		A circular path.
	(A) (C)	A straight path.		An elliptical path.
33.	A prism	has an angle 60° and refractive i	ndex	12, what is the angle of minimum deviation?
	(A)	90° i o plane electromagnosi o al all-	(B)	VB. Which of the fallowing harchave sur *00
	(C)	45°.	(D)	30. It starts bad off send dod (A)
34.	What is	the focal length of a double concar	ve lens	with a radius of curvature 20 cm, if the refractive
	index of	f the glass with respect to the air i	is 5/3?	30. Which of the indewing graphs represents
	(A)	20 cm.	(B)	– 20 cm.
	(C)	15 cm.	(D)	– 15 cm.
35.	The ma	agnifying power of an astronomical of the objectives and eyepiece of the	telesc ne dist	sope in normal adjustment is 100. What is the focal ance between them is 101 cm?
	(A)	1 cm and 10 cm respectively.	(B)	1 cm and 100 cm respectively.
	(C)	10 cm and 1 cm respectively.	(D)	100 cm and 1 cm respectively.
36.				
		andard of living among the midd ars.	le-clas	s society is constantly going up since part of few
	II In	dian Economy is observing remar	kable	growth.
	(A)	Statement I is the cause and sta	temen	t II is its effect.
	(B)	Statement II is the cause and st	ateme	nt I is its effect.
	(C)	Both the statements I and II are	e effect	ts of independent causes.
	(D)	Both the statements I and II are	e effect	ts of some common cause.
		Special American		Weber, Commence (C)

#### 37. Statements:

- I Importance of Yoga and exercise is being realized by all sections of the society.
- II There is an increasing awareness about health in the society particularly among middle ages group of people.
  - (A) Statement I is the cause and statement II is its effect.
  - (B) Statement II is the cause and statement I is its effect.
  - (C) Both the statements I and II are effects of independent causes.
  - (D) Both the statements I and II are effects of some common cause.
- 38. If A+B means A is the mother of B; A-B means A is the brother B; A% B means A is the father of B and  $A\times B$  means A is the sister of B, which of the following shows that P is the maternal uncle of Q?
  - (A)  $Q N + M \times P$ .

(B)  $P + S \times N - Q$ .

(C)  $P-M+N\times Q$ .

- (D) Q S%P.
- 39. If O and P, A and E and B and Q interchange their positions, then who will be the second person to the right of the person who is opposite to the person second of the right of P?
  - (A) D.

(B) A.

(C) E.

- (D) O.
- 40. Y is in the East of X which is in the North of Z. If P is in the South of Z, then in which direction of Y, is P?
  - (A) North.

(B) South.

(C) South-East.

- (D) None of these.
- 41. A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards be 133, how many cards does B have?
  - (A) 23.

(B) 24.

(C) 25.

- (D) 26.
- 42. Which of the following diagrams indicates the best relation between Class, Blackboard and School?







(D) (D)

			8		C 21125
43.	The last	t Sunday of March, 2006 fell on w	hich da	te?	arental in
	Stateme	ents:			
ams:	I The	e first Sunday of that month fell	on 5 th.	200 miles	
	II The	e last day of that month was Frid	ay.	g or have suite on the least of	
	(A)	I alone is sufficient while II alon	e is not	sufficient.	
	(B)	II alone is sufficient while I alon	e is not	sufficient.	
	(C)	Either I or II is sufficient.			
	(D)	Neither I nor II is sufficient.		Charles of a Assistant	
44.	Arrang	e the words given below in a mea	ningful	sequence:	
	1 Pro	otect; 2 Pressure; 3 Relief; 4 Rai	in; and	5 Flood:	
	(A)	2, 4, 3, 1,5.	(B)	2, 4, 5, 1, 3.	
	(C)	2, 5, 4, 1, 3.	(D)	3, 2, 4, 5, 1.	
45.	Arrang	ge the words given below in a mea	aningful	sequence:	
	1 Po	verty; 2 Population; 3 Death; 4	Unemp	loyment; and 5 Disease:	grical kt
	. (A)	2, 3, 4, 5, 1.	(B)	3, 4, 2, 5, 1.	
	(C)	2, 4, 1, 5, 3.	(D)	1,2, 3, 4, 5.	
46.		level is where the model be	ecomes	compatible executable code.	G D 1 1 2
	(A)	Abstract level.	(B)	Application level.	
	(C)	Implementation level.	(D)	All of the above.	
47.	Which	of the following statement is true	?		
	(i) U	sing singly-linked lists and circula	ar lists,	it is not possible to traverse the l	ist backward.
Abres - 2		o find the predecessor, it is require aked list.	ed to tra	verse the list from the first node	in case of a sing
	(A)	(i)-only.	(B)	(ii)-only.	
	(C)	both (i) and (ii).	(D)	None of the above.	
48	. In a ci	rcular queue, the value of $r$ will be		<del></del> -	
	(A)	r=r+1.	(B)	$r = (r + 1) \% [QUEUE\_SIZE -$	1].
	(C)	$r = (r + 1)$ % QUEUE_SIZE.	(D)	$r = (r - 1)$ % QUEUE_SIZE.	

49.	Which	of the following is not the internal	sort?	
	(A)	Merge sort.	(B)	Heap sort.
	(C)	Bubble sort.	(D)	Insertion sort.
50.		new data are to be inserted into a on is usually called ————.	data	structure, but there is not available space; this
	(A)	Underflow.	(B)	Overflow.
	(C)	Saturated.	(D)	None of the above.
51.	Banke	r's algorithm for resource allocation	deals	s with:
	(A)	Deadlock prevention.	(B)	Deadlock avoidance.
	(C)	Deadlock recovery.	(D)	Mutual exclusion.
	track 2			n is located at the 100th track and moving towards 7, 199, 12, 36, 42, 51, 69 and 76 then which disc Shortest seek-time first.
	(C)	C-SCAN.	(D)	First Come First Served.
53.	are 48 4 bytes	bits long. The memory is word ac . The Translation Look-aside Buffe	ldress er (TL	dresses are 64 bits long and the physical addresses able. The page size is 8k Band the word size is $(B)$ in the address translation path has 128 valid esses can be translated without any TLB miss? $(B \times 2^{20})$ .
	(C)	$4 \times 2^{20}$ .	(D)	$256 \times 2^{10}$ .
4.	What is	s bootstrapping called ?		one of the value of (a + t)
	(A)	Cold boot.	(B)	Cold hot boot.
	(C)	Cold hot strap.	(D)	Hot boot.
5.	Which o	of the following does not interrupt	the ru	inning process ?
	(A)	Timer interrupt.	(B)	Device.
	(C)	Power failure.	(D)	Scheduler process.

56.	Which	of the following typecasting is acce	pted l	by C language ?
	(A)	Widening conversions.		oa lemmatricons ton at provioled nel residen
	(B)	Narrowing conversions.		A) Honey and A
	(C)	Widening and Narrowing convers	ions.	
this	(D)	None of the mentioned.		b a cated backsom of one we will be on nigh
57.	In C la	nguage, FILE is of which data type	?	6.3
	(A)	Int.	(B)	char *.
	(C)	struct.	(D)	None of the mentioned.
58.	What w	vill be the final value of $x$ in the following the following the following representation of $x$ in the following representation of	lowing	g C code ?
	#includ	e <stdio.h></stdio.h>		atorians and ascingation (A)
	void ma	ain()		AT97000 79610064 EUS
i, 69,	1957	ading requests have come in the o		r ban Yarthig with a na wisker 000 on, one of the AS AS, 130, 13 and 190 Assaulte
				on "D <b>o.</b> It sequences of these a cess as 126
	}.	St. dest. den amid.		Show at voiced undubscheraer
	(A)	3.75. borred to A remail to 19	(B)	Depends on compiler
	(C)		(D)	3.
59.	-	s the 16-bit compiler allowable rang		integer constants?
bilny 5 e	(A)	- 3.4e38 to 3.4e38.	(B)	- 32767 to 32768.
	(C)	- 32668 to 32667.	(D)	- 32768 to 32767.
60.	What is	s the output of this statement "print	tf("%d	l", (a++))"?
	(A)	The value of $(a + 1)$ .	(B)	The current value of $a$ .
	(C)	Error message.	(D)	Garbage.
61.	If exped	cted value of an estimator is equal t	o its r	respective parameter then it is called:
	(A)	Biased estimator.	(B)	Unbiased estimator.
	(C)	Estimator.	(D)	None of these.

Turn over

62.	Baye's	estimator is always a function of:		des out vine adat not a sidere to mobile. A cen
	(A)	Minimal sufficient statistic.	(B)	Sufficient statistic.
	(C)	Both A and B.	(D)	None of these.
63.	Norma	al Distribution is symmetric is about	t —	
	(A)	Variance.	(В	Mean.
	(C)			Covariance.
64.	Norma	l Distribution is also known as		(A) 15 St. (A)
	(A)	Cauchy's Distribution.	(B)	Laplacian Distribution.
	(C)	Gaussian Distribution.	(D)	Lagrangian Distribution.
65.	The ex	pected value of a random variable i	s its	10 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3
	(A)	Mean.	(B)	Standard Deviation.
	(C)	Mean Deviation.	(D)	Variance.
66.	In rand	dom experiment, observations of ran	ndom	variable are classified as
	(A)	Events.	(B)	Composition.
	(C)	Trials.	(D)	Functions. Distributional depletion of the second
67.	produce		ng a c	ompany B produces 20% defective products and Company is an equally likely event, then find the
		0.22.		0.12.
		0.11.		0.21.
68.	Runs so	cored by batsman in 5 one day mate		are 50, 70, 82, 93 and 20. The standard deviation
	(A)	25.79.	(B)	25.49.
	(C)	25.29.	(D)	25.69.

69.	A rando	m variable X can take only two va	alues, 2	2 and 4 i.e., $P(2) = 0.45$ and $P(4) = 0.97$ . What is
00.		ected value of X?		The patract attribution because M. A. A
	(A)	3.8.	(B)	2.9.
	(C)	4.78.	(D)	5.32.
70.	a pack	d game Reena wins 3 Rs. if she dra of 52 playing cards. If she pays a What will be the amount so that th	certai	ing or a spade and 7 Rs. if a heart or a queen from in amount of money each time, she will lose the e will come out a fair game?
	(A)	15.	(B)	6. The productive self-self-self-self-self-self-self-self-
	(C)	23.	(D)	2. And the parties that I have
71.	Find th	e Missing Term in Multiples of 6	: 6, 12,	, 18, 24, _, 36, 42, _ 54, 60.
	(A)	32, 45.	(B)	30, 48.
	(C)	24, 40.	(D)	25, 49.
72.	If g and	df are two one-to-one functions, the	nen the	eir composition of fog is :
	(A)	Onto.	(B)	One to one function.
	(C)	Bijective.	(D)	None of these.
73.	A vecto	or field which has a vanishing dive	ergence	e is called as ————.
	(A)	Solenoidal field.	(B)	Rotational field.
		Hemispheroidal field.	(D)	Irrotational field.
74.	Let R A = {3,	= {(3, 3), (6, 6), (9, 9), (12, 12), 6, 9, 12} be a relation on the set A	$(6, 12)$ $A = \{3,$	), (3, 9), (3, 12), (3, 6)} be a relation on the set 6, 9, 12}. The relation is:
		Reflexive and transitive only.	(B)	- a · 1
	(C)	An equivalence relation.		Reflexive and symmetric only.
75.	The va	llues of $k$ for which the quadratic $\epsilon$	equation	on $kx^2 + 1 = kx + 3x - 11x^2$ has real and equal roots
		{-11, 3}.	(B)	<b>{5, 7}.</b>
		{5, -7}.	(D)	None of these.
76	If the	sum of three numbers in A.P. is 12	and t	he sum of their cubes is 288, then the numbers are
		2, 4, 6.	(B)	경기를 하고 있다. 보고 있다고 있다면 하는 것이 없는 사람들이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.
	(C)		(D)	None of these.
	(0)			

77.	The maximum	value of the	function $y = x$	$(x-1)^2$ , $0 \le x \le 2$ :
500 100			9	(

(A) 0.

(B) 4/27.

(C) -4.

(D) None of these.

78. Let A be a 
$$2 \times 2$$
 matrix with real entries. Let I be the  $2 \times 2$  identity matrix. Denote by tr (A), the sum of diagonal entries of A. Assume that  $A2 = I$ .

Statement -1: If  $A \neq I$  and  $A \neq -I$ , then det A = -1.

Statement -2: If  $A \neq I$  and  $A \neq -I$ , then tr  $(A) \neq 0$ .

- (A) Statement 1 is false, Statement 2 is true.
- (B) Statement − 1 is true, Statement − 2 is true, Statement − 2 is a correct explanation for Statement −1
- (C) Statement -1 is true, Statement 2 is true; Statement 2 is not a correct explanation for Statement 1.
- (D) Statement 1 is true, Statement 2 is false.

## 79. The statement $p \to (q \to q)$ is equivalent to:

(A)  $p \to (p \to q)$ .

(B)  $p \to (p \lor q)$ .

(C)  $p \to (p \land q)$ .

(D)  $p \to (p \leftrightarrow q)$ .

### 80. The conjugate of a complex number is 1/i - 1. Then the complex number is :

(A) -1/i - 1.

(B) 1/i + 1.

(C) 1/i - 1.

(D) -1/i + 1.

81. If 
$$A2 - A + I = 0$$
, then the inverse of A is:

(A) A + I.

(B) A.

(C) A-I.

(D) I - A.

82. If 
$$(\cos A-B) = 3/5$$
 and  $\tan A \tan B = 2$ , then:

(A)  $\cos A \cos B = 1/5$ .

(B)  $\cos A \cos B = -1/5$ .

(C)  $\sin A \sin B = -2/5$ .

(D)  $\sin A \sin B = -1/5$ .

all at a time:

(A) 432.

83. The sum of the digits in the unit place of all the numbers formed with the help of 3, 4, 5, 6 taken

(B) 108.

(D) 212.

84.	The pe	riod of $ \sin(3x) $ is:		Statement 1 C M A = 1 and A = 1 then
	(A)	$2\pi$ .	(B)	$2\pi/3$ .
	(C)	$\pi/3$ .	(D)	3π. sand palet in the accommode (A)
85.	The th	ree solutions of the equation $f(x) = 0$	0 are	- 4, 8 and 11. Therefore, the three solutions of the
	equatio	$\sin f(2x) = 0$ are:		1=4tramente
	(A)	- 2, 4, and 11/2.	(B)	- 8, 16 and 22.
	(C)	- 4, 8, and 11.	(D)	2, 19/2 and 7/2.
86.	Numer	rical integration using Trapezoidal	rule g	ives the best result for a single variable function,
	which i	s:		
	(A)	Linear.	(B)	Parabolic.
	(C)	Logarithmic.	(D)	Hyperbolic.
87.	Define	[x] as the greatest integer less than	or ec	qual to x, for each $x \in (-\infty, \infty)$ . If $y = [x]$ , then area
	under	$y \text{ for } x \in [1, 4] \text{ is :}$		we a value of a consultar grapher is in
	(A)	1.	(B)	3.
	(C)	4.	(D)	6. 1 - Al (3)
88.	A real	square matrix is called skew-symme	etric i	<b>f:</b> (A to see equipment and $A = 1 + A = 0$ ). If
	(A)	$\mathbf{A}^{\mathbf{T}} = \mathbf{A}.$	(B)	$\mathbf{A}^{\mathrm{T}} = \mathbf{A}^{-1}.$
	(C)	$\mathbf{A}^{\mathrm{T}} = -\mathbf{A}.$	(D)	$\mathbf{A}^{\mathbf{T}} = \mathbf{A} + \mathbf{A}^{-1}.$
89.	The de	terminant of a $2 \times 2$ matrix is 50. If	one ei	genvalue of the matrix is 10, the other eigen value
	is:	THE WAR GOLD IN SHIP		Sometimes I
	(A)	5. 30 = 8 ma A nin	(B)	10.
	(C)	50.	(D)	None.

90.	The val	lues of variables that make the equ	ation	true are classified as : New of Planertt A 1.70				
	(A)	Roots of equation.	(B)	Value of equation.				
	(C)	Solution of equation.	(D)	Degree of equation.				
91.	The equ	uation solved roots which are not a	ctual	roots of original equation are classified as:				
	(A)	Extrinsic roots.	(B)	Intrinsic roots.				
	(C)	Extraneous roots.	(D)	False roots.				
92.	If $4x \equiv 2 \pmod{6}$ and $3x \equiv 5 \pmod{8}$ then one of the value of x is : 100 visiting (5)							
	(A)	34.	(B)	23. (2 Landing of Linear education and T 99				
	(C)	26.	(D)	32. (0 ,5) (A)				
93.	Which	one of the following statements is f	alse?	(C) (0, 1).				
	(A)	(A) A subring of the ring of integers Z, is an ideal of Z.						
	(B)	A subring of a field is a subfield.		100. A median of a triangle divides it into less				
	(C)	A field has no proper ideals.	<b>(2)</b>	(A) Congruent triangles				
	(D)	A commutative ring with unity is	a field	d if it has no proper ideals.				
94.	The din	mension of the vector space of all 6	6 rea	al skew-symmetric matrices is:				
	(A)	15.	(B)	21.				
	(C)	30.	(D)	36.				
95.	The greatest common divisor of $11 + 7i$ and $18 - i$ in the ring of Gaussian integers Z [i] is:							
	(A)	3 <i>i</i> .	(B)	2 + i.				
	(C)	1 + i.	(D)	1.				
96.	In triangle ABC, if AB = BC and $ \underline{B}  = 70^{\circ}$ , $ \underline{A} $ will be:							
	(A)	70°.	(B)	110°.				
	(C)	55°.	(D)	130°.				

97.	A triangle in which two sides are equal is called:						
	(A)	Scalene triangle.	(B)	Equilateral triangle.			
	(C)	Isosceles triangle.	(D)	None of the above.			
98.	The lin	ear equation $3x - 11y = 10$ has:	SIMON	July at a manny 2,000 Beviou (13			
	(A)	Unique solution.	(B)	Two solutions.			
	(C)	Infinitely many solutions.	(D)	No solutions.			
99. The graph of linear equation $x + 2y = 2$ , cuts the y-axis at:							
	(A)	(2, 0).	(B)	(0, 2).			
	(C)	(0, 1).	(D)	(1, 1).			
100.	A median of a triangle divides it into two:						
	(A)	Congruent triangles.	(B)	Isosceles triangles.			
	(C)	Right triangles.	(D)	Equal area triangles.			
		ed apoptable of the work would be					
		4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
			a.c.				

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