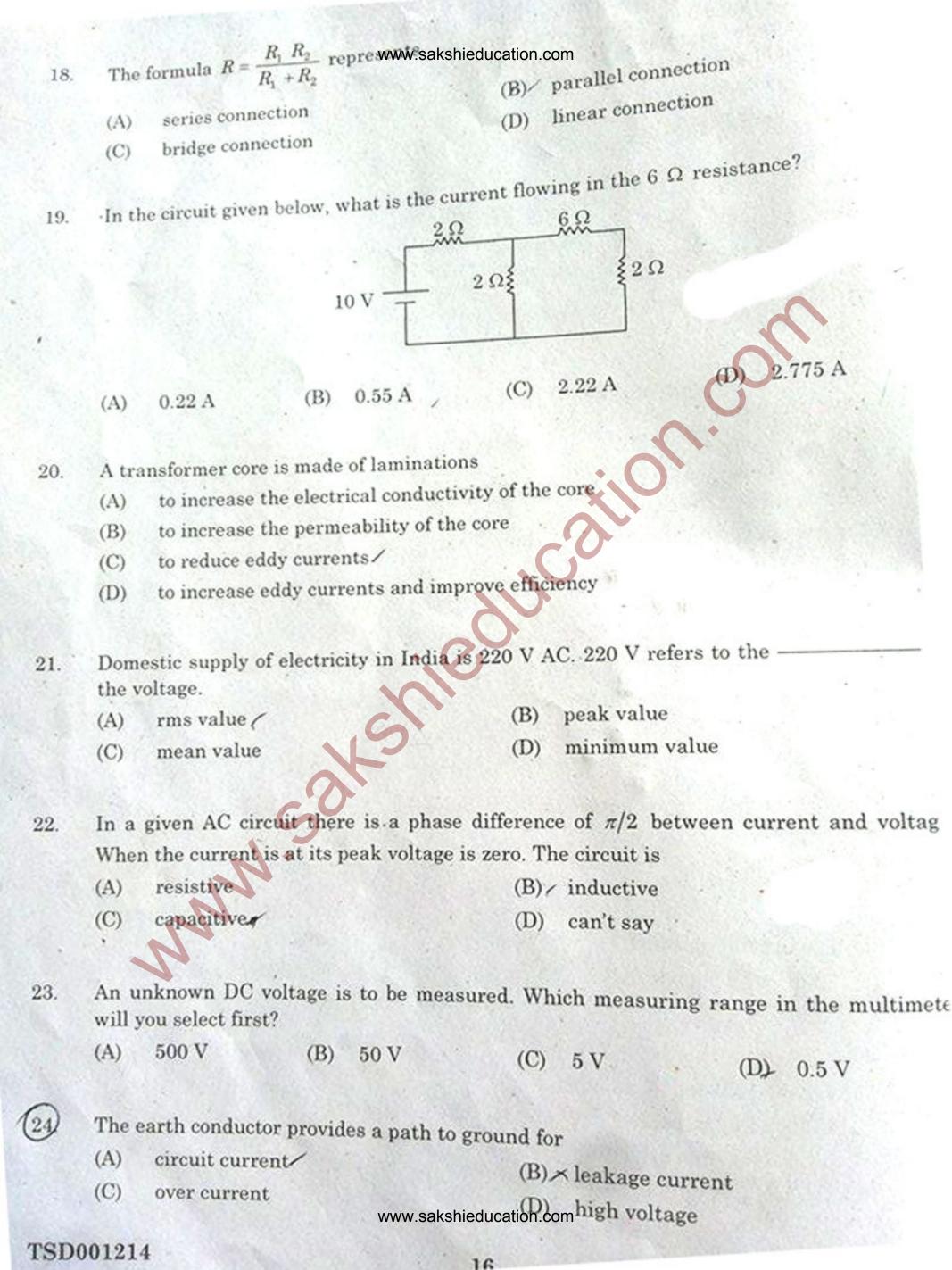
RRB Secunderabad Junior Engineers Exam Question Papers (Held on 14-12-2014)

		THE PERSON NAMED IN				isters. Jyoti i	s Kavita's	mother, Parts	
1.	If th	e son or ayou	i, then		(B)	ry Alexan ma	Terliai was	le of Arun	
	(A (C		nd Arun are s Arun's gr	andmother	(D)	Parth is ma	ternal und	le of Kavita	
2.		nd the next r		he series :		100	(D)	420	
	(A)		(B)		(C)	400			
(3.)	A n	nan is facing I takes a rig	y North. He	e starts wal	king on a ci	rcular path, on now?	completes	3/4th of the cir	rcle
	(A)	East		/ West	(C)	North	(D)	South	
0			About (V				TICE	ha cadad?	
4.)	In a (A)	SDFHS	e MONKE (B)		s XDJMNL. (C)	How would	(D)	SHFDQ	
							-		
5.		the numbe		replace the		Co			
	(A)	20	(B)	21	(0)	22`	(D)	23	
3.	How	many cube	s are there	in the figur	63		, 4		
				(3)	D			*	
7						5			
					XXX				
	(A)	6	(B)	8	(C)	9	(D)	10	3.5
	Rame 1 km	sh goes 4 k South, How	m South, far is Ran	then 8 km nesh from t	West, then	6 km North	n, then 8	km East and	then
	(A)	2 km	The state of the s	/1 km	(C)	0 km	(D)	8 km	
	Crim	e' is related	to 'Count'	in the					
	(A)	Dooton	to court	in the same	e way as 'D	isease' is rel	ated to		
	(A)	Doctor	(B)	Hospital	(C)	Medicine	(D)	Punishmen	t
	Two tother.	angents are What is the	e drawn to	a circle o	f radius 10	cm. The ta	ingents a	re parallel to	each
	(A)	10 cm	(B)		akshieducatior	CALUS:			

(D) $10\sqrt{3}$ cm

Match the following : 10. www.sakshieducation.com Cell wall (a) Animal cell-(b) Plant cell / ATP (a) Mitochondria 2. (b) Genes 1-(a), 2-(a)(A) (B) 1-(a), 2-(b) 1-(b), 2-(b)(D) (C) / 1-(b), 2-(a) Synapses and Dendrites are associated with 11. (A) cortex epithelium (B) (C) retina nerve-cells (D) A tissue that connects muscle to bones in humans is called 12. Femur (D) Tendon Axon (A) (B) Fibre (C) The human population of globe is approximately (13.) 600 million (B) (A) 500 million (D) 7 billion 6 billion (C) Hematology is the study related to 14. (B) / Blood Plant reproduction system (A) Food habits of animals (D) Bones (C) Which of the following is not a food borne disease? (B) Cholera Amoebiasis' (A) Hepatitis A (D) Influenza -(C) Hadrons and Baryons are Types of subatomic particles (B) Industrial chemicals (A) Cyclotrons (D) Alkalies (C) A pheromone secreted by an animal 17. (A) / influences the behaviour of animals of same species protects it from predators (B) attracts the victims for its food (C) www.sakshieducation.com none of the above

(D)



MONTH SALE						
25)	Distance between two buildings is 10 from the taller building on a lime your for the taller building is 1.5 times the height of smaller building?	00 m. A sur kshieducation e angle of el	veyo LCOI leva	or is standing at a Mangle of elevation tion of the smaller	distance of 40 m measured by him building, what i	1 3 8
	(A) 45.3 m	(B)	45	.67 m	1	,
	(C) 46.22 m	(D)	D	ata insufficient	40	
					100	
26.	A galvanometer is converted to a volt (A) adding a high resistance in ser					
	G. secondarios III SCI					
	the state of the s					
	(D) decreasing the number of wind	ungs of the	ganv	anometer con		
27.	A dynamometer is an equipment use	d to measur	e		9 (A) = (B)	
-	(A) current and voltage of generat					
	(B) dynamic loads over cyclic time					
	(C) fatigue propagation due to dyr					
	(D) / torque and power of an engine					
				O		
68)	Interferometers are used for measur	ement of				
0	(A) changes in life cycle processes		10000	on		
	(B) effect of interference of wer	aring of on	e n	nechanical compo		vhole
	(C) measurement of very small di	splacement	s ar	nd surface irregul	arities	
	(D) chemical analysis of compoun					
0						
(29).	Sclerometer is used by	/0	21	Civil Engineering	Surveyors	
	(A) Astronomers	(B			5 Daire, ozo	
	(C) Doctors	(I))	Metallurgists		
30.	The word 'Brinell' is associated with	1				
00.		(I	B)	tensile testing		
	- to tenting	(1	D)	testing of seasor	ning of wood	
	(C) hardness testing					
21	way bon footprint?					
31.	What is carbon footprint? (A) measure of radioactivity from	n a fossil				
MA.	(A) measure of radioactivity from (B) environmental impact becau	se of used c	ells	and batteries		
1	(B) environmental impact becau (C) total sets of green house gas www.sa	amissions l	hv o	rganization indi	vidual etc.	
	(C) total sets of green house gas www.sa	kshieducation	n.coi	m mnounds		
	(D) / amount of carbon content in	the organic	CO	mpounds		

		www.sakshiedi	ıcation	com special type of officer who surveyed These officers were called
22		hoka in the 13th year of his coronation, and eland, kept land records and carried out	point	These officers were called
32.	As	e land kept land records and carried out	(D)	Samahartas
	(A)) Amatyas /	(D)	Chalukyas
	(C)		(D)	Chart
. 00	w	no built the Jagannatha temple of Puri?		imana
33.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Chadaganga	(B)	Narsimahavarmana
	(A) (C)		(D)	Parmeshwaravarmana
	10000			
		t Caitha	n hous	se of the parliament can be appointed as as to become the member of the either
34.	An	individual who is not a member of eithe	he h	se of the parliament can be see of the either as to become the member of the either
	ап	ise in		
	(A)	3 months	(B) '	6 months
	(C)	one year	(D)	2 years
	(0)	one year		
			C	and interior of India implies
35.		term 'Republic' used in the preamble of		onstitution of male and
	(A)	That the head of the state is heredita		
	(B)	That the head of the state is a constit	The second second	
	(C)	/ That the head of the state is an elected	ed rep	resentative
	(D)	None of the above		
36.	The	Hindustan Shipyard Limited is located	at	
	(A)	Goa	(B)	Cochin
	(C)	Mumbai	(D)	Visakhapatnam
	1000			
0.5				
37.		ndia, what is the minimum permissible	Vacal.	
	(A)	14 years (B) 16 years	(C)	18 years (D) 21 years
38.	Luna	ar Eclipse occurs only on a		
	(A)	First quarter day	(B)	New moon day
	(C)	Full moon day	(D)	
			(1)	Last quarter day
0				
(39.)		ges generally occur in		
	(A)	mountains	(B)	forests .
	(C)	deserts	(D)	sea
40.	Whic	h state is known for its sandalwood ca		
	(A)	Maharashtra	rvings	3?
	100000000000000000000000000000000000000	Kerala	(B)	Madhya Pradesh
	(C)	www.sakshiedi	ucation	comarnataka
PERCENT	0000	ii		

TSD001214

	If circumference of	www.sakshie	education.com	ircle will increase by
41.	(A) 5%	(B) 10%	(C) 20%	(D) 21%
42.	A cylindrical shap	oed metal piece is con assumed to remain th	nverted into a wire. Ou e same?	at of the following, which
	(A) volume		(B) cross-section	area
	(C) length		(D) diameter	
0	What is the proba	bility of getting 3 aces	s if three cards are drav	vn from a set of 52 playing
	(A) · 52 ³	(B) $\frac{1}{52^3}$	(C) $\frac{1}{52!}$	$(D) \frac{4 \times 3 \times 2}{52 \times 51 \times 50}$
	In a class of 40 st probability that th	udents, 25 are sports e monitor of the class	persons and 25 are ma is both a sports person	athematicians. What is the and a mathematician?
	(A) $\frac{1}{40}$	(B) $\frac{1}{25}$	(C) $\frac{1}{4}$	(D) $\frac{1}{50}$
45.	Sum of two number	ers is 15 and sum of t	heir reciprocals is $\frac{15}{56}$. The two numbers are
	(A) 4, 11	(B) 5, 10	(C) 6, 9	(D) 7, 8
6		ots of quadratic equat	$x^2 + x + 1 = 0, \text{ the}$ (B) 1	$\ln \frac{1}{\alpha} + \frac{1}{\beta}$ is
	(A) -1 (C) 0	5	(D) None of th	ese
17	Value of $\sqrt{6} + \sqrt{6} + \sqrt{6}$	$\sqrt{6+\ldots}$ is		
	$(A) \frac{5}{2}$	(B) -2	(C) 3	(D) 4
				to associate

If a, b, c, d, e and f are in arithmetic progression, then e-c is equal to (48.) (A) 2(b-a) (B) c-b (C) 2(f-d) (D) 2(d-b)

In coordinate geometry, distance of the point (-4, 3) from origin is 49.

3 (A)

- www.sakshieducation.com 5
- (D) 25

A class of compounds which are use akshieducation when molecular weight is low and are naturally occurring fats when molecular weight is high in the series, is called 50.

amino acids (A)

(D) organic acids

If the mass of sun, earth and distance between them is respectively M, m and r; work esters

done by the sun's gravity on earth for one revolution round the sun is (C) $\frac{GM.m}{r} \cdot 2\pi$ (D) $\frac{GMm}{r^2} \cdot 2\pi$ 51.

The choke of a tube light works on the principle of

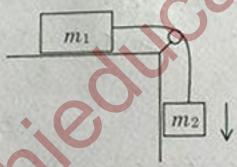
bi-metallic (A)

capacitance

inductance (C)

ionization (D)

In the figure below, what is the acceleration of body with mass m_2 , given g is the 53. acceleration due to gravity (assume pulley and surfaces are smooth)



Which of the following statements is correct?

- (A) / Speed of light in vacuum is 3 × 108 m/s
- Speed of light is different for different colours (B)
- Speed of light is different in different media (C)
- All of the above?

In Heisenberg's Uncertainity principle, the uncertainity of momentum and position of a 55.

- reduced using smaller wavelength of probing light (A)
- reduced using larger wavelength of probing light (B)
- (C)
- reduced using high energy probe particles accelerated by cyclotron can't be reduced as it is fundamentallication.comnt (D)

1	(A) series ner	www.sakshieducatio	n.com in the	cor	ductor.
	(0			(B)	series, live	
			cuttat	(D)	parallel, live	
0	7 E	winment earth	vin = -1			
(5	y (A	voltage flu	ning gives protection a	gainst		
	(C			(B)	overloading	
	(0)	electric sh	ocks	(D)	high temperature	of conductors
58	Ag	generator is ra	ted 2 KW 200 V D.C.	It can supp	ly load current of	
	(A)	4000 A	(B) 100 A		10 A	(D) 4 A
59.	The	e term PCB st	ands for			
	(A)	Polyethyle	ne Card Board	(B)	Printed Circuit	Board
	(C)	Printed Ca	ard Board	(D)	Polythene Circu	it Board
60.	Cole		.5 ohms resistor will	be		
	(A)	Brown, Gre	een, Brown	(B)	Brown, Green,	Golden /
	(C)	Brown, Gol	lden, Green	(D)	Brown, Golden,	Golden
					8	
61.	A fr	equency tunin	ng electronic circuit v	would consi	st of	
	(A)	an inductor	and a capacitor	(B)	an inductor and	d a resistor
	(C)	two inducte	ors	(D)	two capacitors	
		7				
62.	Mair	element of a	filter circuit that re	duces the	A.C. component o	of the output i
	(A)	resistor		(B)	/inductor	
	(C)	transforme	r	(D)	* capacitor	
63.	For s	tabilizing the	gain of an amplifie	r		
	(A)		dback is used	(B)	no feedback is	used
	(C)		edback is used	(D)	input voltage	is varied
	(0)	TIO BUTTO TO				
64.	A ste	reophonic sys	stem requires			
	(A)		e microphones	(B)	two separate	amplifiers
	(C)	two separat	www.sakshieducatio	n.com (D	all of the abo	ve
	(0)	two scharae				The state of the

		www.sak	shieducation.c	om
(65)	Whi	ch of the following statements is inc	AL POST	
00	(A)	Microsoft windows is GUI		
	(B)	Linux is GUI	tored in a D	VD
	(C),	Linux is GUI More than 5000 kB data can be s	llion files ea	ach of size 1 MB
	(D)	and a laine can stole a		1.4.1 C - 1.5.4
			. Jeown il	a three dimensional space, which are
66.	How	many lines can be said to exist or	be drawn	a three dimensional space, which are
de la constante	mut	ually perpendicular to each other?	(B) /	3
	(A)	2		8
	(C)	4	(D)	
				wan below. What is this object?
67.	A thi	ird angle orthographic projection o	f an object is	s given below. What is this object?
		4		
			AV	
	(A)	Triangle	(B)	Trapezium
	(C)	Cone	(D)/	Frustrum of a cone
68.			itten scale	1 cm = 100 m. Which ratio does it
		espond to?	(D)	1.1000
	(A)	1:100	(B)	1:1000
	(C)	1:10,000	(D)	1:1,00,000
0				
(69.)	In m	achine drawing, a 'sectional view'	cut portion	is shown by
	(A)	diagonal hatching	(B)	dots
	(C)	cross marks	(D)	red colour

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(A)

(C)

3/

70.

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(D)

For complete description of a component, a machine drawing would require minimum

(B)

red colour

71.	Hira	kud dam has been built on the river		
	(A)	Cauvery www.sakshieducatio	n.com (B)	Mahanadi
	(C)	Krishna	(D)	Yamuna
72.	Who	received the first Nobel prize in Physics	in In	
	(A)	Dr. C.V. Raman	(B)	Dr. Hargobind Khurana
	(C)	Prof. C.N.R. Rao	(D)	Prof. Narlikar
F3.)	Whic	h of the following books was banned by	all M	
0	(A)	The Shame Within	(B)	Discovery of India
	(C)	Satanic Verses	(D)	Beyond Expanse
74.	IGMI	DP, in Indian context, is a		
	(A)	Management Development Programm	ne	
	(B)	Monetary Policy		
	(C)	Missile Programme		
	(D)	Marketing Policy in Management Sta	adies	
75.	Who	is the Secretary General of United Na	tions?	
	(A)	David Cameron	(B)	Stephen Harper
	(C)	Jung Hong-Won	(D)	/Ban Ki-Moon
76.	With	reference to water pollution, BOD me	ans	
	(A)	Biochemical Oxygen Dilution	(B)	Biochemical Oxygen Demand
	(C)	Bio Organic Dissolutes	(D)) Basic Organic Dissolutes
77.	Appro	ox. percentage of oxygen in Earth's at	mosp	here is
	(A)	17% (B) 21%~	(C	
78.	In the	e context of genetics, DNA stands for		
	(A)	Di-Neuro Acid	(E	Daily News Analysis
	(C)	Detoxic Neuro Acid	(I)	Deoxyribo Nucleic Acid
70	7 (1	e context of Information Technology,	OCR	means
79.		Optical Character Recognition	(1	3) Octagonal Cyclic Recharge
	(A)			O) Optical Character Regeneration
	(C)	Octadecimal Cyclic Regeneration www.sakshieducatio	n.com	

(80)	1.								
	1/11	mberne			al a a £; a . a		the point (4	D) are	
	(A)	o boi	nts on x - a	www.saksnie	education.c	away from	the point to	infinit	9
		0	/D:	Als which ar	e z ume	. 0	(0)	Minne	
0.			(B)	1	10	2			
81	10.0								
	x1 (1)	ie ratio of h	might . s.			E the at	ngle of elevat	tion of sur	1.18
	(A)	300	wiffer of fon	er to its sha			(D)	871	
		00	(B)	45°	(C	60°	-		
0.0									
82.	The	Value of o							
	(A)	or see of (I	+0.1+0.11	+0.111) is					
	(A)	1.321		1.211	(C)	1.111	1 · (D)		
83,	When	a number		ALC: N		- 117		molar wh	es aquary
	of the	it number	is divided by	by 5, it gives	remaind	er 3. What	t is the certain	TATION IN THE PARTY	
107	(A)	o	is divided by	157			.0		
(O		0	(B)	3 13	(C)	4	(D)	1	
					0			***	
84.	Find	the value o	f 67° - 33°.						
	(A)			-		-30-			
	va	3200	(B)	3400 /		7146	(D)	3143	-16
						0	007 (34)	167	4977
85.	If two	sides of a	triangle ar	o given and			uded by the		
	given,	how many	triangles ca	in be dre		me above assets	reduced by 1250	two side	ns in also
		0	(B)						
					(C)		(D)	3	
0.0									
86.	4 men	can comple	ete a prece o	Work in 5	days. H	ow many	men are rec		
	3 times	the work	in 4 days			- many	men are ted	luired to	complete
	(A)			5	(0)	00			
			5			80	(D)	20	
87.	Cienn e		*	, one billion					
91.	Given :		0.3 approx	, one billion	would b	e annex	6.		
	(A) 1		(B) 2	10	1	- approx.	P.11		
					(0)	200 200	(D)	930	
					8	1	160		
88. 1	n hos	many diffi	erent ways	can 3 idea	Acres 6		and 2 iden		
	rrange	d besides e	ach other, is	a straight	lines wh	ute balls	and 2 idea	Marie .	
(A) 6		(B) 10	- magazz	ane?		- 414.73	escar red	balls be
			-	the later.	1500	12			
89. T							(D)	120	
T	ne valu	e of sin 30	+ sin2 60*						
		1				100			
0	4 1		(B) $\frac{3}{2}$						
			2		(0)	2			
TSD001	214			www.sakshie	education.c	om	(D)	3	
							and the	4	

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	1	300	s
	6	a	л
w	133	o.	Ð.
и	ю	œ	

As the speed of charged particle increases in a cyclotron, (choose True (T) or False (F))

- the particle moves to a larger circle
- there is relativistic change in the mass of the particle (b)
- frequency of the cyclotron has to be adjusted (c)
- (A) F, F, F
- (B) T, T, T (C) T, F, T
- (D) T, T, F

In a thermodynamic system, a process in which volume remains constant is called 91. process.

- (A) isobaric
- (C) adiabatic

- isometric (B)
- isentropic (D)

Coefficient of performance of a commercially used refrigerator would be close to

- (A) a 40%
- (B) 85%
- 1.5 (C)
- (D) 3.5

93.

In a thermodynamic system, thermal equilibrium is achieved when two bodies reach

same thermal energy (A)

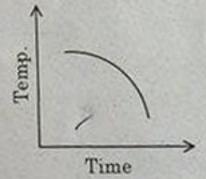
(B) same entropy

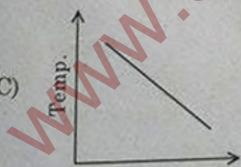
(C) same temperature (D) same molecular energy

(94,

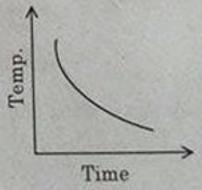
A hot body follows Newton's law of cooling. Typical temperature-time graph of the cooling body would be

(B)





(D)



In a multicylinder diesel engine, the cylinders are fired in a particular sequence 95.

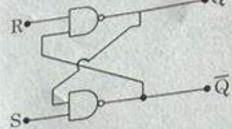
to reduce fuel consumption (A)

Time

- to reduce knocking (B)
- to reduce engine vibrations (C)
- all of the above (D)

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96. Consider the circuit below: www.sakshieducation.com



This circuit is called a

- (A) Half adder
- (C) Bit counter

- (B) / Latch
- (D) PIPO device

97. De Morgan's theorem states that

- (A) (X+Y)'=Y'+X'
- (C) $(X \cdot Y)' = Y' \cdot X'$

- $(R) \prec (X \cdot Y)' = X' + Y'$
- (D) (X+Y)'=X'+Y

98. In Boolean algebra $(1+1) \cdot (0+0) = ?$

- (A) 0 C
- (B)

(C)

(D) -1

(99) Which of the following is not an I/O device of the computer?

- (A) Keyboard
- (C) ALU

- (B) Joy stick
- (D) /Printer

100. A bond in a brick work when headers and stretchers are placed in alternate layers is called

- (A) Header bond
- (C) Flemish bond

- (B) English bond
- (D) Herring bone bond

(101) Excess silica in cement

- (A) increases the setting time /
- (C) weakens the strength of the cement
- (B) decreases the setting time
- (D) does not affect the setting time

102. The outer protective layer of a tree is

- (A) cambium layer (B) pitch
- (C)/bark
- (D) sap

103. Which lime is most suitable for white washing?

- (A) quick lime
- (C) kankar lime

- (B) stone lime
- (D) shell lime

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	Jack.	resentation of re	eal numbers to facil	itate computing
	(C)	It is the main algebraic fo	ormula of the softwa	are
	(D)			ting units of the computer
105.	A sy		change and process	ing of data between various devices is
	(A)	software programme	(B)	algorithm
	(C)	protocol/	(D)	information processing
. (06.)		eoretical computer with in outation, is called	finite type and me	mory, used in analysis of problems of
	(A)	Tape calculator	(B)	Babbage machine
	(C)	Turing machine	(D)	Theoretical machine
107	More	recently a new standard	has been adopted	phabets and symbols for computer use. which allocates code to almost all the ring more than a lakh characters. The
	(A)	CCS	(B)	Unicode
	(C)	Standard CCS code	(D)	Universal CCS code
108.		using passwords on the I	nternet a softwar	e is used so that the password is no
	(A)	Coding	(B)	Malware
	(C)	Virus	(D)_	Encryption
109.	A soft use a called	nd improvement and wh	vailable freely on ich is generally	Internet and is open for users for furthedeveloped in a collaborative manner
	(A)-	open source software	(B)	unlicensed software
	(C)	free software	(D)	community software
(110)	Whiel	n of the following are mac	hine level languag	es?
0	(A)	C++	(B)	Java
	(C)	Python	(D)	-None of these
	(0)	A J VALVA		

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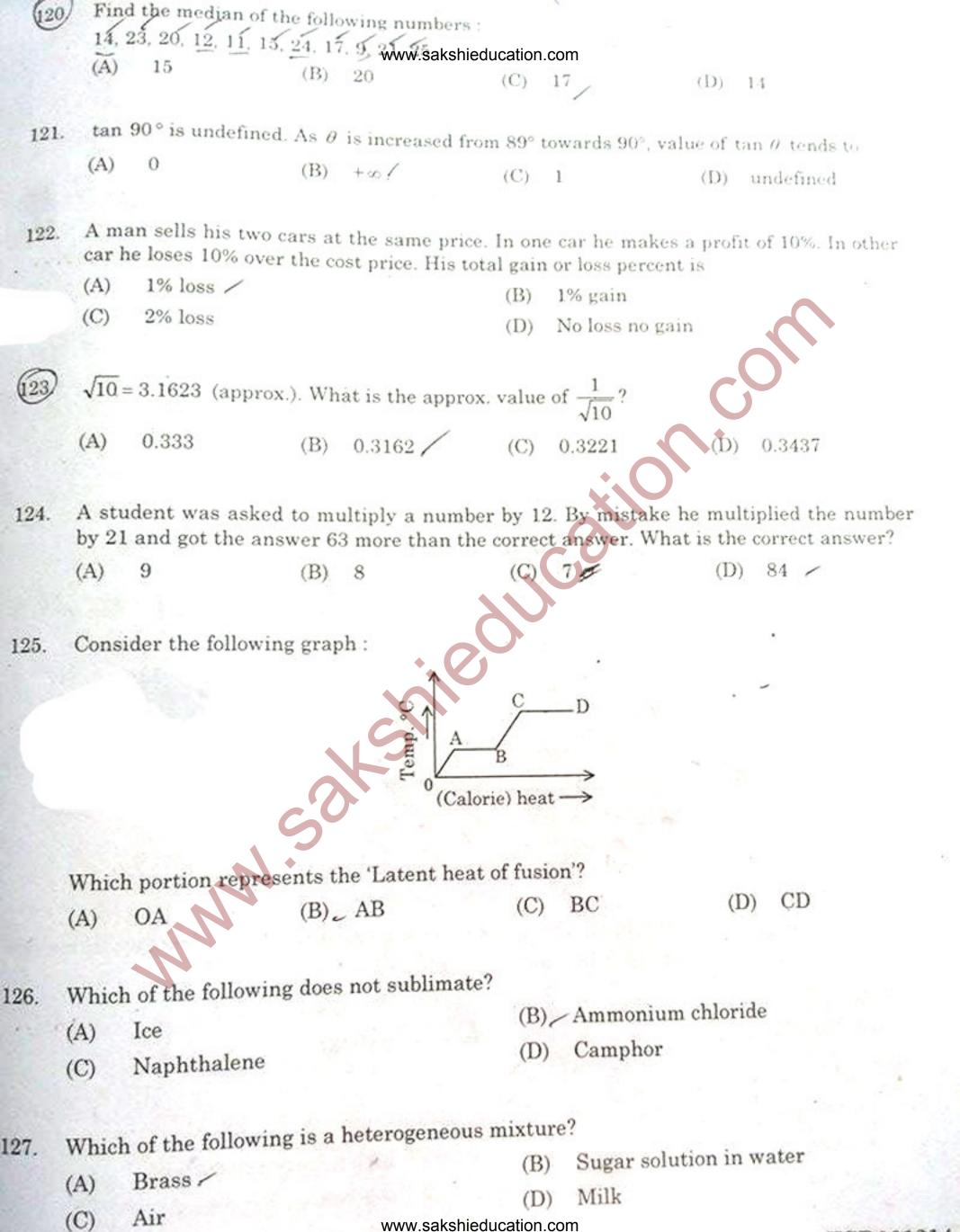
It is a software subroutine around which other subroutines are built

What is floating point with www.sakshieducation.com?

104

(A)

www.sakshieducetign.coartly. The section pertains to www.sakshieducetign.coartly. The section pertains to (A) Communal Harmony (C) Company's Act 112. IPC stands for (A) International Peace Code (C) Indian Penal Code (D) International Punishment Code (E) Firms (A) Individuals (C) Unincorporated Associations (D) None of the above (E) Implementing GST 115. In Sept. 2014 ISRO achieved success in which project? (A) Launched Heavy payload vehicle (B) Launched goestationery satellite (C) Launched rocket to mars (D) Mars Orbiter successfully entered mars orbit 116. In October 2014 a cyclone hit Vishakapatnam. The name of the cyclone was (A) Katrina (B) Hudhud (C) Laila (D) Helen 117. SAARC countries are from which part of the world? (A) South America (B) South Asia (D) None of the above (I) How many pairs of letters are there in the word CRAB which has as many letters (A) 3 (B) 2 (C) 1 (D) 0 119. Which month is different from other months in the group? **Wovember* **Wovember* **Wovember* **Wovember* **Wovember* **Wovember* **Wovember* **Wovember* **Wovember*	E CONT.					mha secti	on pertain	s to
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				www.sakshied	ucation.c	omixed in corre		
				at0	mized and	Cylinder		
	128	S. In	a scooter, in wh	nich part is the petroi	(B)	Fuel pump		
		(C) Inlet port			a soil springs	1?	
				ı for maki	ng leaf a	nd con dium		
	129	. WI	hich alloy steel	would be used for maki	(B)	Chrome-moly	ybdenum	
		. (- *)			(1)			
		(C)	Silicon-Ma	nganese			angh the	e molten metal
			1		-:+rogeI	are passed th	llough.	
	(130)	In:	aluminium cas	nganese ting bubbles of argon or surface finish of the cas	nitroge			
		(A)	to improve	surface finish of the cas	sting			
		(B)		ydrogen gas porosity				
		(C)	to precipita	te the inclusions				
		(D)	to mix the	alloy elements				
	131.	Clea	arance between	the mating parts is m	easured	using		
		(A)	Dial gauge		(B)	Go-gauge	San May	
		(C)	No-go gauge		(D)	Feeler gauge		
		24.45						
	600	T., .		ess, for milling mild s	tool wh	at will be a	typical ra	ke angle for the
	(132)	cutte		ess, for infilling little s	teel, wil			
			12°	(B) 20°	(C)	28°	(D)	-12°
		(- 1)			(0)		(D)	12
	6		1					
	(133.)	State		alse (F) respectively:			62.5	
		1.	For better to	nsile strength, cast co	mponent	is preferred	over forge	ed component
		2.	Quenching o	f hot iron component i	n water	improves its	malloobili	***
		(A)	T, T	(B) F, F		T, F	папеаот	ity
			N		(0)	1, F	(D)	F, T
	134.	Chan	nels Angles e	nd I am at 1				
	104.	many	ifactured from	nd I-section, which are blooms using the proc	e used ir	fabricating	a shod at-	matring from all
		(A)	anating	blooms using the prod	cess of		a shed sti	ucture frame,
			casting/		(B)	drawing		
		(C)	swaging		(D)	rolling		
	135.	Outpu	at of a welding	transformer, compar	-1			
		(A)	high voltage	high current	ed with	its input is		
		(C)	low voltage b	igh current www.sakshied	(B)	high volt	Marie I	
			- wase II	www.sakshied	ucation.c	high voltage	e low curi	rent
	TSD00	1214			E.	voltage	low curre	ent
				3	0			SMITH SEC

(36.	of ox	rmochemical decomposition of cygen is called	sakshieducation.	als at high temperatures, in the	absence
	(A)	Pyrolysis	(B)	Thermolysis	
	(C)	Caramelization	(D)	Catagenesis	
137.	Acid rain is caused by presence of which of the following gases in the atmosphere				
	(A)	Nitrogen and oxygen			
	(B) / Sulfur dioxide and Nitrogen oxide				
	(C)	Carbon dioxide and Carbon	mono-oxide		
	(D)	Ozone and argon			
138.	One of the main reason for depletion of ozone layer in the Earth's atmosphere is				
	(A)	Green house gases			
	(B)	Colloidal impurities			
	(C)	CFC and halons/			
	(D)	Rockets and satellite launch	hing vehicles		
Sha!					
139.	What	t is the value of total hardnes	s acceptable i	potable water as per Indian	Standards?
	(A)	0.3 (B) 3)/30 (D) 300	
140.	Preventing rain water to run-off and its accumulation and deposition for re-use on site is called				
	(A)	rain water collection	(E) micro-dams	
	(C)	micro-accumulation	(1	rain water harvesting	
	The terms ALU, CPU, I/O devices pertain to				
	(A)	computers -			
	(B)	environmental engineering			
	(C)	diesel engine			
	(D)	engineering drawing and o	orthogonal pro	ojections	
42.	In a computing device 'MHz' is mentioned in the specifications. It refers to				
	(A)	size of memory		B) speed of computation	
	(C)	clock speed		(D) none of the above	
	(0)	www.	sakshieducation.	com	TSD0012
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www.saksniedu	cauon.com which ratio.
141	be typically used in (D) 1:8
(A) 1:2 (B) 1:4	(C) 1:6
	fer to the mix (D) 1:4:8
The grade M25 of concrete would approx. re (A) 1:3:6 (B) 1:2:4	(C) 1:1:2
145. Brass is an alloy of	(B) copper and tin
(A) /copper and zinc	(D) aluminium and tin
(C) copper and aluminium	
146. A pigment generally used to impart white co	lour in a paint is
(A) graphite	(B) lead
(C) copper sulphate /	(D) zinc
[47.] The main purpose of providing foundation to	
(A) to provide a level base over which mas	sonry may be laid
(B) to fix the super structure to the groun	
(C) to distribute the weight of the structure substratum	ucture on a sufficiently large area of the
(D) to prevent uneven distribution of load.	of beams on the substratum
48. The branch of surveying in which only line field is	ear measurements are directly made in the
(A) land surveying	(B) chain surveying
(C) engineering survey	(D) topographical survey
	, survey
9. A theodolite is used for measuring	
(A) distances	(B) strength of
(C) surface hardness	materials
	ungles
(A) hills and depressions	
(C) same latitude	(B) same elevation
	(D) none of the above

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