	1.	Volunteer Caption of the Guruvayoor Sa A) K. Kelappan C) A. K. Gopalan	B)	graha was T. K. Madhavan K. P. Kesava Menon
	2.	Who was the Maharaja of Travancore is Proclamation?		
		A) Sri Chithira Thirunal C) Sri Moolam Thirunal		Sri Uthram Thirunal Sri Karthika Thirunal
	3.	Which year UN proclaimed the convent A) 10 th December 1945 C) 20 th November 1945	B)	on the Right of the Child ? 20 th November 1989 10 th December 1980
	4.	Which agitation was related to Joint Pol A) Vaikkam Satyagraha C) Guruvayoor Satyagraha	B)	al Congress ? Malayali Memorial Nivarthana Agitation
	5.	Who was the Malayali Leader mentione A) C. Kesavan C) K. Kelappan	B)	Gandhiji in his autobiography ? T. K. Madhavan G. P. Pillai
	6.	Name the renaissance leader of Kerala labour. A) Vaikunda Swamikal		no opposed the "Uzhiyam" or forced Chattambi Swamikal
		C) Ayyankali		Narayana Guru
	7.	Select the author of the poem "Keralam" A) Keralavarma Valiyakoyi Thampuran C) Ulloor S. Parameswara Iyer	B)	Kodungallur Kunhikkuttan Thampuran G. Sankara Kurup
	8.	Who is the Architect of Fundamental Rig A) Sardar Vallabhbhai Patel C) Dr. B. R. Ambedkar	B)	in Indian Constitution ? Dr. Rajendra Prasad Jawaharlal Nehru
	9.	Who is known as Kerala Valmeeki ? A) Ulloor Parameswara Iyer C) Vallathol Narayana Menon		Ezhuthachan Kumanasaan
1	0.	Name the Maharaja of Travancore issue A) Sri Chithira Thirunal C) Sri Uthram Thirunal	B)	e famous Channar Proclamation. Sri Moolam Thirunal Sri Karthika Thirunal

11. The square ma	atrix A has an inverse	e if and only if	
A) $ A = 0$	B) A ≠ 0	C) A > 1	D) A < 1
12. If A and B are	symmetric matrices,	then	
A) A + B is sy		B) A + B is ske	ew symmetric
C) A + B is ide	entity	D) None of the	ese
13. If two rows of a	a matrix A are identic	cal, then	
A) A = 1		B) A = 0	
C) A ≠ 0		D) None of the	ese
14. The expansion	of (3 – 4x²) ⁵ has	terms	
A) 4	B) 5	C) 6	D) 7
15. The value of ta	an315° =		
A) 1	B) -1	C) 0	D) √3
16. What is the sle 3x - 4y + 12 =	ope of the straight lin	e perpendicular to the	ne straight line
A) $\frac{3}{4}$	B) 4/3	C) $-\frac{4}{3}$	D) $-\frac{3}{4}$
17. The value of	$\lim_{x \to 1} (5x - 3) =$		
A) 5	B) 3	C) 1	D) 2
18. What is the s	lope of the parabola	$y = x^2$ at the point (2)	, 4) ?
A) 4	B) 2	C) 1	D) 0
19. The value of	the integral $\int_{-2}^{1} 5 dx$ is	Difference of the second	
A) 5	B) 10	C) -15	D) 15
20. The general	solution of the differe	intial equation $\frac{dy}{dx} = \frac{1}{1}$	$-\frac{x}{y}$ is
A) $x^2 + y^2 =$	c, c an arbitrary con	stant B) $x^2 - y^2 =$	С
C) x = -y	mail minus man	D) $x + y = c$	

A

21.	When a brick is cut off length wise, the cut out bricks are called
	A) Queen closer
	B) King closer
	C) Corbel
	D) Bat
22.	While laying bricks in a wall, frog of the brick must be kept
	A) Sideward
	B) Downward
	C) Upward
	D) In any position
23.	Metallic tapes are made of
	A) Steel
	B) Cloth and Wires
	C) Invar
	D) Nickel
24	. The line of collimation method of reduction of levels, does not provide a check on
	A) Reduced Levels
	B) Back Sights
	C) Fore Sights
	D) Intermediate Sights
25	. A Total Station measures
	A) Co-ordinates alone
	B) Slope distance and horizontal distance
	C) Co-ordinates and horizontal distance
	D) Vertical harizontal angles and slope distance

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Α

- 26. In a four stroke engine when one stroke of the piston completed, the crank rotates through A) 90° B) 180° C) 270° D) 360°
- 27. The excess energy developed during power stroke in an engine is stored by
 - A) Governor
 - B) Flywheel
 - C) Crank shaft
 - D) Piston
- 28. The function of a differential is to
 - A) Connect two rear wheels in correct alignment
 - B) Receive power from the engine and to transmit to the rear wheels
 - C) Absorb shocks and keeps the stability of the vehicle
 - D) Provide relative motion to the two rear wheels when the vehicle is taking a turn
- 29. A condenser in a steam power plant is used to
 - A) Generate steam
 - B) Increase pressure
 - C) Exchange the heat of low pressure steam to the cooling medium
 - D) Convert heat energy of steam to mechanical energy
- 30. Which power plant is more efficient?
 - A) Hydro-electric power plant
 - B) Nuclear power plant
 - C) Thermal power plant
 - D) Diesel power plant

		114/201
31.	Voltage applied across 40W lamp is halved. Power consumed by	this lamp at this
	voltage is	
	A) 20W	
	B) 10W	
	C) 40W	
	D) 5W	
32.	Which of the following statement associated with purely inductive	circuit is True?
	A) Current lead the voltage by 90°	
	B) Current is in phase with voltage	
	C) Power factor unity	
	D) Average power zero	
33.	R L C series circuit will resonate, if	
	A) XL > XC	
	B) XL < XC	
	C) XL = XC	
	D) XL = 1/XC	
34	. Energy consumed by 750 W electric iron for 6 minutes is	
	A) 0.075 kWh	
	B) 0.45 kWh	
	C) 4.5 kWh	
	D) 0.75 kWh	
35	. Permiance of a magnetic circuit is given by reciprocal of	
	A) Permeability	
	B) Flux density	

C) Reluctivity

D) Reluctance

36.	Which colour is emitted by an LED when the semiconduct Arsenide phosphide is used?	
	A) Yellow	2. 3 DEADON
	B) Red	
	C) Green	
	D) Blue	
37.	. Name the sensor which is used to detect the presence of r	near by objects without
	any physical contact with the object.	
	A) Limit Switch	
	B) Relay	
	C) Proximity Switch	
	D) DPDT	
00	The second for a minute state that is a second to the	
38.	The program for a microcontroller is stored in its	THE RESERVE OF THE PARTY OF THE
	A) ROM	
	B) RAM	
	C) CPU	
	D) None of the above	
39.	Which of the following technology is used in CDMA?	
	A) Time Division	
	B) Frequency Division	
	C) GSM	
	D) Spread Spectrum	
40.	. Nowadays, the battery available for exclusive usage in inve	erters are
	A) Nickel-Cadmium Batteries	
	B) Lithium Batteries	
	C) Tubular Batteries	
	D) None of the above	
		amstalled file

41.	The most popular to A) TSI	echnology in time-div B) STI	rision switching is ca C) ITS	D) None of the above		
42.	Which multiplexing A) WDM	technique involves s B) FDM	ignals composed of C) TDM	light beams? D) None of the above		
43.	Which of the following primarily uses guided media? A) Radio broadcasting B) Satellite communications C) Local telephone system D) Cellular telephone system					
44.	 When a beam of light travels through media of two different densities, if the angon of incidence is greater than the critical angle, occurs. A) Refraction B) Reflection C) Criticism D) Incidence 					
45.	In IP networking, no A) ARP	etwork and Host add B) Separator	ress are separated (C) Net mask	using D) TCP		
46.	i. In a router, what is the name of the structure that tells where to deliver IP packet ? A) Routing address B) Routing table C) Delivery table D) Status table					
47.	What is the nomina A) 10 MB/s	al bit rate of fast Ethe B) 100 MB/s	ernet ? C) 10 GB/s	D) 1000 MB/s		
48.	The synchronous modems are more costly than the asynchronous modems because A) They produce large volume of data B) They operate with a larger bandwidth C) They transmit the data with stop and start bits D) They contain clock recovery circuits					
49	. What is data encry A) Block cipher	rption standard ? B) Stream cipher	C) Bit cipher	D) None of the above		
50	. Which of the malic A) Worm	ious program do not B) Trap doors	replicate automatic C) Logic bomb	ally ? D) Trojan horse		
51	In which OSI layer A) Presentation layer C) Transport layer		to frames ? B) Data link layer D) Network layer			
52	A firewall protect A) Viruses B) Fire C) Worms D) Unauthenticat	ed interactive logins	from outside world			

53	A 32:1 multiplexer can be designed A) Two 16:1 multiplexers and one B) Two 16:1 multiplexers and one C) Two 16:1 multiplexers and two D) Two 16:1 multiplexers only	two input OR gate two input AND gate	
54.	Which logic device is called a data of A) Multiplexer C) Decoder	distributor ? B) Encoder D) Demultiplexe	wor acre router sa scoopercolous (a notigater sock (3
55.	A full adder can be realized using A) One half adder and two OR gates B) Two half adders and one OR gate C) Two half adders and two OR gate D) Two half adders and one AND gate	e es	
56.	The output frequency of a mod-12 co A) 6 kHz B) 500 Hz	ounter is 6 kHz. It's in C) 24 kHz	put frequency is D) 72 kHz
57.	Which of the following flip flop is use A) T flip flop C) JK flip flop	ed as a latch ? B) Master slave D) D flip flop	flip flop
58.	A decoder with 64 output lines has _ A) 4 B) 6	C) 12 select line	es. D) 8
59.	The instruction queue in a microproce A) First in first out C) Last in last out	essor is a B) Last in first ou D) First in last ou	
60.	The physical memory size of 8086 per A) 1 terabyte B) 1 Mbyte		D) 20 megabyte
61.	In 8086, the interrupts initiated by ex A) Vectored interrupt C) Hardware interrupt	ecuting "INT n" instru B) Non vectored D) Software inter	interrupt
62.	Type 4 interrupt in 8086 is called A) Divide by zero interrupt C) Overflow interrupt	B) Break point int D) Single step int	
63.	In addressing mode be operated by the instruction.	, the instruction itself	will specify the data to
	A) Direct addressing C) Indexed addressing	B) Relative addres D) Implied addres	
		-10-	

	The maximum mode in 8086 is called A) Uniprocessor mode C) Handshake mode		Multiprocessor mode Bidirectional mode
65.	The idea of cache memory is based on (A) The property of locality of reference B) The heuristic 90-10 rule C) The fact that references generally to D) All of the above		
66.	In a virtual memory system the address A) Memory space C) Address space	B)	used by the programmer belongs to Physical address Main memory system
	The provides path between to connected via interface cards. A) Computer C) Memory	B)	CPU and peripheral devices which are Expansion bus CPU
68.	A nonvolatile type of memory that can b rather than one byte at a time is A) Flash memory C) MPROM	B)	rogrammed and erased in sectors, EEPROM EPROM
69.	A complete microcomputer system con A) Microprocessor C) Peripheral equipment	B)	s of Memory All of the above
70.	The address mapping is done, when the A) Dynamic relocation C) Static relocation	B	ogram is initially loaded is called Relocation Dynamic as well as static relocation
71.	Semaphores are mostly used to implem A) System calls C) System protection	В	t) IPC mechanism) None of the above
72.	Optimal page-replacement algorithm is A) Replace the page that has not been B) Replace the page that has been us C) Replace the page that will not be us D) None of the above	us ed f	for a long time
73.	Bankers algorithm for resource allocati A) Deadlock prevention C) Mutual exclusion	В	deals with) Deadlock recovery) Deadlock avoidance

74.	A) Program struc C) Primary storage		B)	eantly by Program size All of the abov	е
75.	When the page-fa A) The turnaround B) The effective a	ult rate is low d time increases access time increas access time decreas	es		
76.	To avoid the race of inside their critical A) 8			rocesses that n	nay be simultaneously D) 0
77.	AND DESCRIPTION OF THE PARTY.	itive type data into it	ts corr		
78.	Which of these mo		for a		it it can be accessed
79.	Which method car A) Super	n't be overridden? B) Static	C)	Final	D) Println
80.	A) Default construction has not been d B) Constructor ca C) finalize() methor needed.	efined. n be parameterized	ime of I. objec	declaration of t	he object if a constructor cope and is no longer
81.	A) Mixture of contB) Order in which	ing relies on probab rol structures used the module execute are will actually be u design standards	in the		sed on
82.	The problem that the happened?	hreatens the succe	ss of a	a project but wh	nich has not yet
4	A) Bug	B) Error	C)	Risk	D) Failure

33.	A) LOC C) Program lengtl		B) Function count D) Cyclomatic co	
34.	Number of clause A) 15	s used in ISO 9001 to B) 20	specify quality soft C) 25	ware requirements D) 28
35.	A) The list must b B) There should	ne sorted be the direct access the mechanism to delet	to the middle eleme	
86.	Which of the follo elements? A) Arrays	owing data structure B) Records	can't store the nor	n-homogeneous data D) Stacks
87.	C &	en in a linked list STA B) Overflow	7	D) Saturated
88.	If every node u in A) Isolated C) Complete	G is adjacent to eve	ry other node v in G B) Finite D) Strongly conn	. A graph is said to be ected
89.	B) Extensive moC) No data shari	ce allows ame database by seventification of application and between application several application p	ons	
90.	The number of at A) Cardinality	tributes in relation is B) Entity	called as its C) Tuples	D) Degree
91.	A) Create view v B) Create "query C) Create view v	owing is the syntax for as "query name"; y expression" as viev as "query expression"	v;	view name ?
92	co	mmand can be used B) Update	to modify a column C) Set	in a table. D) Create
			-13-	

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-		-			

93.	The main task carried out in the separate tables.	is to remove repeating attributes to					
	A) First Normal Form	B) Second Normal Form					
	C) Third Normal Form	D) Fourth Normal Form					
94.		that identifies every row in a table.					
	Composite key	B) Candidate key					
	C) Foreign key	D) Super key					
95.	The output of XML document can be	e viewed in					
	Word processor	B) Web browser					
	C) Notepad	D) None of the above					
96.	What is a FTP program used for ?						
	A) Transfer files to and from intern	et server					
	B) Designing a web site						
	 C) Connecting to the internet 						
	D) None of the above						
97.	Which statement is true ?						
	A) An XML document can have one root element						
	B) An XML document can have one child element						
	C) XML element have to be lower case						
	D) All the above						
98.	Which of the following statement is	false regarding "Cookies" ?					
	A) Cookies are programs which run in the background of the web-client.						
	B) Cookies have the potential of being used to violate the privacy of users.						
	C) Cookies are very helpful in keeping track of users in developing online shopping						
	cart applications, personalized portals and in advertising on web sites.						
	 D) Cookies cannot contain more the 	nan 4 Kb of data.					
99	Which of the following attributes o character?	f text box control allow to limit the maximum					
	A) Size	B) Len					
	C) Maxlength	D) All of these					
100	A much better approach to establis	sh the base URL is to use					
Villa etc.	A) BASE element	B) HEAD element					
	C) Both A) and B)	D) None of these					
	State of Argues - Albumb	Character and Committee of the Committee					