Question Booklet Alpha Code



Question Booklet Serial Number

101577

Total Number of Questions: 100

Time: 75 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- The question paper will be given in the form of a Question Booklet. There will be four versions
 of question booklets with question booklet alpha code viz. A, B, C & D.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

024/2018

1.	The Journal 'Sivayogavilasom' was published by:										
	(A)	Chattampi Swa	mikal		(B)	Vagabhadananda					
	(C)	Pandit Karuppa	an		(D)	Vak	kom Maulavi				
2	The	Birth place of C.	Vacar								
		Mayyanad				(63)	M 1 11 1				
	(21)	wayyanau	(B)	Meenad		(C)	Mylakkad	(D)	Meeyannoor		
3.	The	FIFA World Cup	will be held	l in:							
	(A)	Russia	(B)	Germany		(C)	Qatar	(D)	USA		
4.	Unit	ted States Presider	nt, Do	nald Trum	o, mad	de his	first foreign trip	o to :			
		India	(B)	Israel		(C)	Bahrain	(D)	Saudi Arabia		
5.	The	Pass Located at th	ne Sou	thern end	of the	Nilgir	i Hills in South	India is	s called :		
	(A) The Bolan Pass			(B)	The	Thalghat pass					
	(C)	The Palghat pas	S		(D)	The	Bhorghat pass				
6.	Whi	ch Union Territor	v has	the least no	mulat	ion ac	por the 2011 co	mous 2			
	(A)	Andaman	, 1100	the least pe	(B)	pulation as per the 2011 census ? (B) Lakshadweep					
	(C)	Daman and Diu			(D)	Malo					
					(-)						
7.	Whi	ch was the first sta	ate to	recognise t	ourisi	n as a	n Industry ?				
		Goa	(B)	Kashmir			Karnataka	(D)	Kerala		
8.	Whic	ch Indian State ha	s the	longest Coa	st line	e ?					
	(A)	Gujarat	(B)	Kerala		(C)	Tamil Nadu	(D)	Andhra Pradesh		
9.	Who	led 'Ooruttambal	am A	gitation'?							
		Narayana Guru			(B)	Vakk	om Maulavi				
	(C)	Dr. Palpu			(D)	Ayya	nkali				

	1 1 1 1 1 1 Cont Cont	ke free state in the country?
10.	Which State has been declared the first Smo	Andhra Pradesh
	(A) Timiacrial Tracesi	Madhya Pradesh
	(C) Uttar Pradesh (D)	
11.	Goa was liberated in the year :	
11.	(A) 1960 (B) 1961	(C) 1962 (D) 1963
12.	Who is known as the lion of Punjab?	
	(A) Lala Lajpat Rai (B)	Bhagat Singh
	(C) Bipin Chandra Pal (D)	Chandrashekhar Azad
		And the second s
13.	Which revolutionist of Freedom Struggle wa	as hanged till death at the age of 14?
	(A) Sukh Dev (B)	
	(C) Bhagat Singh (D)	Khudiram Bose
		and array was in which date?
14.		(C) August 19 (D) August 18
	(A) August 17 (B) August 20	(C) August 19 (D) Tragest
	In which city have digitised schools been s	tarted?
15.	(A) Delhi (B) Bengaluru	(C) Mumbai (D) Chennai
	(A) Delli (b) Delignatu	
16	Who has been named Skipper of ICC Won	nen's cricket world cup XI ?
10	(A) Tamsin Beaumont (B)	
	(C) Laura Wolvaardt (D) Mithali Raj
17	. Vayalvaram Veedu is related to :	
	(A) Vallathol Narayana Menon (B	
	(C) Sree Narayana Guru (D	O) Ayyankali
18		erala, that was described by him 'pilgrimage'
	(A) 1937 (B) 1938	(C) 1936 (D) 1939
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19.	Who was the first Vice President of SNDP Yogam ?									
	(A) Kumaran Asan	(B)	Dr. Palpu							
	(C) Sree Narayana Guru	(D)	Sahodaran Ayyappan							
20.	The offective handen habiter In 1:	1.0								
20.	The effective border between India a	nd the								
	(A) LOC (B) LAC		(C) LOG (D) LAN							
21.	Inverter converts :									
		C	(C) DC (AC) (D) DC (AC)							
	(A) AC to DC (B) AC to A	Han a	(C) DC to AC (D) DC to DC							
22.	PIV in diode stands for :									
	(A) Peak Invertor Voltage	(B)	Peak Ideal Voltage							
	(C) Peak Inverse Voltage	(D)	Peak Individual Voltage							
23.	Barrier Potential of Germanium diode	e is:								
	(A) 0.5V (B) 0.3V		(C) 0.7V (D) 0.6V							
24.	The manner of the									
24.	The resonance frequency occurs whe									
	(A) $C = L$ (C) $R = L$	(B)								
	(C) K-L	(D)	None of the above							
25.	The common collector configuration i	s also l	known as :							
	(A) Collector follower	(B)								
	(C) Gate follower	(D)	Emitter follower							
26	The control of the control									
26.	The terminals of a FET are: (A) Drain, Source, Gate	(P)								
	(C) Base 1, Base 2, Emitter	(B)	Gate, Cathode, Anode							
	(C) base 1, base 2, Emitter	(D)	Cathode, Anode, Source							
27.	The package of digital IC 7400 series i	is:								
	(A) DTL	(B)	CMOS							
	(C) TTL	(D)	None of the above							
A		_								
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			{P.T.O.}							

28.	The Aspect ratio of In	dian [ΓV system is :				
	(A) 4:3	(B)	4:9	(C)	5:5	(D)	16:5
29.	One nibble contain:						
	(A) Two bits	(B)	Four bits	(C)	Eight bit	(D)	16 bit
30.	Capacity of DVD:	: mel-	va 73 maded fa	or or	40 CP	(D)	4.7 GB
	(A) 700 MB	(B)	1 GB	(C)	40 GB	(D)	4.7 GD
31.	The feedback used in	ampl	ifier is :				
	(A) Positive	(B)	Negative	(C)	Both	(D)	All of the abov
32.	The value of capacito		0.001 mF	(C)	1 mF	(D)	0.0001 mF
	(A) 0.01 mF	(D)		(0)		(-)	
33.	In the following 3-pi	in IC,	which gives nega	tive r	egulated voltage	15V ?	
	(A) 7815	(B)	7805	(C)		(D)	7915
		1.6	Mid are so from	OP CIT 1	soenonse ?		
34.	Which speaker is us			(C)		(D)	Wide range
	(A) Squawker	(B)	Woolei	(0)	Tirector	(-)	
35.	The Oscillator gener	rating	high frequency o	scillat	ion in the range	of 1MF	Iz to 500MHz:
	(A) Phase shift		(B)	Ha	rtley		
	(C) Wein Bridge		(D) All	of the above		
7.6	Velocity of Electron	oo ana	Hig wave was:				
36.	(A) 3×10^8 m/s	liagric	(B) 3×	10^{12} cm/s		
	(C) 4×10^4 miles/	S	(D		10^2 m/s		
37	. The primary colors	in CT	V system is:				
	(A) RGB	(B) RYC	(C	r) RBO	(D)	RMC
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38.	In an Oscillator circu	1it	is very i	mport	ant.		
	(A) Tank circuit	(B)	Feedback	(C)	Amplifier	(D)	All of the above
39.	The system used in I	ndia fo	or color TV transn	nissio	n is:		
	(A) NTSC	(B)	SECAM	(C)	PAL	(D)	None of these
40.	The separation of so	und ar	nd picture carrier	in Inc	lian TV system :		
	(A) 1 MHz		* 7.		7 MHz	(D)	5.5 MHz
41.	Length of dipole in	yagi a	ntenna is				
	(A) 143/f	(B)	152/f	(C)	137/f	(D)	163/f
42.	The purpose of saw	filters	in TV receivers is	3			
	(A) To produce say					circu	it .
	(C) To produce ho						
	(-, 1		* '	1			
43.	Ripple factor of half	wave	rectifier is				
	(A) 1.21		0.48	(C)	40.6	(D)	81.2
				(-)		(-)	
44.	Input Impedance of	emitte	er follower is				
	(A) Low	(B)			— High	(D)	Unity
		(-)		(-)		(-)	
45.	shows n	egativ	e resistance chara	acteris	atics.		
	(A) Zener Diode					(D)	Tunnel Diode
	(-)	(-)	Tower Diode	(0)		(2)	Turner Diode
46.	Unit of magneto mo	tive fo	arce is				
	(A) Ampere hour				Weber	(D)	Gauss
	(11) Timpere Hour	(D)	rimpere rums	(0)	Weber	(D)	Gauss
47.	RMS value of AC is						
17.			0.707 Vm	(C)	1.41 Vm	(D)	0 627 V
	(11) 200 V	(D)	0.707 VIII	(C)	1.41 VIII	(D)	0.637 Vm
A			7				024/2018
						,	{P.T.O.}

	- 1 Line magtance value	with	the increase in frequency of applied voltage.
48.		(B) J	ncrease
	(A) Does not change	(D)	Become Zero
	(C) Decreases		
49.	IC is a 8 line multiplexer. (A) 74138 (B) 7408		(C) 74151 (D) 7486
50.	The peak inverse voltage for Bridge re (A) Vm (B) 2Vm	ectifier	is (C) 4Vm (D) Zero
51.	Etching solution for PCB is made by (A) Sodium Chloride (C) Ferric Chloride	(B)	Isopropyl Alchonol
52	feedback is used in amp (A) Positive (C) Both (A) and (B)	lifiers. (B) (D)	col - shows
58	(A) an operational amplifier (C) a digital IC		a timer IC a regulator IC
5	(A) Ampere turns (C) Ampere hour	(B	expressed in Ampere Ohms HP
	55. Bandwidth of an ideal OP-Amps (A) Infinity (C) Unity	(1	D) None of the above
	56 microphones requires (A) Crystal (B) Movi	a DC ing coil	voltage for its operation. (C) Ribbon (D) Carbon
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57.	The	cut off frequen	cy of R	C lowpass	filter	is			
							1/2πRC	(D)	1/RC
58.	In 8	085 microproce	ssor sta	ck pointer	is a _		bit register		
		One					Eight		16
59.	The	thickness of LC	layer	in LCD is	expres	sed in			
		Millimeter						(D)	Inch
60.	Con	vert (5A) ₁₆ into	octal n	umber:					
		(132) ₈				(C)	(321) ₈	(D)	(312) ₈
61.	Thre	e resistance of	40, 30, 1	10 Ohms ar	e conr	nected	in parallel, thei	r combi	ned resistance will
	(A)	greater than 4	0 Ohm		(B)	betw	veen 40 Ohm to	30 Ohr	n
	(C)	between 30 O	hm to 1						
62.	In el	ectrical wiring,	the ligh	nt point all	owed	in one	sub circuit is		
	(A)		(B)			(C)		(D)	
63.	Tem	perature limit f	or class	'E' insulat	ion is				
		60°C		120°C				(D)	360°C
64.	Whe	atstone bridge	is used	to measure	e				
		Current					Resistance	(D)	Power
65.	An e	lectric lamp is r	narked	100 Watt, 2	240 Vo	It, the	resistance of fil	ament w	vill be
		576 Ω	(B)					(D)	
66.	A ne	twork which co	ntains :	no source	of EM	F in it.	is called		
		Active network					tant network		
	(C)	Passive network	rk				tive network		

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75.	A w	ave winding is m	nade i	n a machine	e for _						
	(A)	more voltage, m	ore c	urrent	(B)	less v	voltage, less	current			
	(C)	more voltage, le	ss cur	rent	(D)	less v	voltage, mo	re current			
76.	The	direction of induc	ced El	MF in a coil	is for	and by	7	***			
	(A)	Faradays law			(B)	Flem	ings left ha	nd rule			
	(C)	Kirchoff's law			(D)	Lenz	's law				
77.	7. The shunt type ohmmeter will have zero reading at the										
	(A)	center of the sca	ile		(B)	left h	and end of	the scale			
	(C)	right hand end	of the	scale	(D)	poin	specified 1	y the man	ufacture		
78.	The	unit of luminous	flux i	is							
	(A)	Lux	(B)	Candela		(C)	Weber	(D)	Lumen		
79.	Load	d factor is defined	d as th	ne ratio of							
	(A)	(A) Average load to Maximum Demand									
	(B)	Maximum dema	and to	Average lo	oad						
	(C)	Average load to	Con	nected load							
	(D)	Connected load	to M	aximum De	mand						
80.		rotating magnetic			phase	e, 6 pc	ole, 50 Hz s	slip ring inc	duction motor w	rill	
		300 RPM	(B)			(C)	1200 RPM	(D)	1500 RPM		
	()		(2)	1000 RT W		(0)	1200 KI W	(D)	1500 KI WI		
81.	Whi	ch of the followin	o dev	rices can be	used t	o dire	ctly image	printed text	+ 2		
		OCR	(B)	OMR	doca	(C)	MICR		All of the abov	0	
	(-)		(-)			(-)		(2)	The or the door		
82.	Who	designed the firs	st elec	tronics com	puter	ENIA	C?				
		Van-Neumann			(B)			t and John	W Mauchly		
	(C)	Joseph M. Jacqu	ard		(D)		les Babbag				
A					11				024/20	18	

83.	ВСС	stands for							
	(A)	Basic carbon co	ору		(B)	Blin	nd computer cop	y	
	(C)	Blind combined	d copy	7	(D)	Blin	d carbon copy		
84.	CPU	J retrieves its da	ta and	linstruction	s fron	n	and the state of t		
	(A)	Secondary Mer	nory		(B)	Aux	ciliary Memory		
	(C)	Main Memory			(D)	A11	of the above		
85.	A W	leb page can con	tain:						
	(A)	Text	(B)	Image		(C)	Video	(D)	All of the above
86.	The	default alignmer	nt opt	ion of text in	n MS	Word	is		
	(A)	Left	(B)	Right		(C)	Center	(D)	Justify
87.	Back	ground color or	effects	s applied on	a doc	umen	at is not visible in	1:	
	(A)	Web layout view	w		(B)	Prin	t Layout view		
	(C)	Reading View			(D)	Prin	t Preview		
88.	In a	database table, t	he cat	tegory of infe	orma	tion is	called		
	(A)	Tuple	(B)	Field		(C)	Record	(D)	All of above
89.	Proto	ocol used in E-m	ail is						
	(A)	SMTF	(B)	SMTP		(C)	FTP	(D)	WWW
90.	In Li	nux everything s	tored	as a:					
	(A)	File	(B)	Directory		(C)	Executables	(D)	None of these
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91.		can be us	sed as	communi	cation	mediu	m in a LAN.			
	(A)	Coaxial cable			(B)	Twis	sted pair cable			
	(C)	Fiber-optic cabl	e		(D)	All	of the above			
92.		function	transla	tes a nun	neric va	alue to	a variable.			
	(A)	Message	(B)	Build in		(C)	Val		(D)	Mod
93.	A info	is a dev rmation included	vice that in the	at forward packet.	ls pack	ets bet	ween network	s by proc	essing	the routing
	(A)	Bridge			(B)	Firev	wall			
	(C)	Router			(D)	All c	of the mentione	ed		
94.	Com	nmunication betw	reen a	computer	and a	keybo	oard involves _		_ tran	smission.
	(A)	Automatic	(B)	Half-dup	olex	(C)	Full-duplex		(D)	Simplex
-										
95.		nory size of Boole								
	(A)	1 byte	(B)	2 byte		(C)	3 byte		(D)	4 byte
96.	Mhi	ah ia an ayamnla	of Wine	ual basis s	-1-:t-	2				
90.		ch is an example Control objects	OI VISI	ual basic ((B)		Not			
		3 ADO.Net					of the above			
	(-)				(10)	7111 0	I the above			
97.	Whi	ch of the followin	ng dialo	ogue boxe	s is use	ed to g	ive a warning	message '	?	
		Alert box			(B)		t box	O.		
	(C)	Message box			(D)	None	e of the above			
98.	A se	quence of activiti	es bein	g carried	out to	solve a	a program is ki	nown as:		
	(A)	Output			(B)	Inpu	t			
	(C)	Process			(D)	None	e of the above			
								,		

- 99. Execution of two or more programs by a single CPU is known as:
 - (A) Multiprocessing
- (B) Time sharing
- (C) Multiprogramming
- (D) None of the above
- 100. Which of the following are the concepts of Information security?
 - (A) Access control
- (B) Integrity
- (C) Confidentiality
- (D) All of the above

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