033/2018

Question Booklet Alpha Code

A	

Question Booklet Serial Number

-	
Total Number of Questions: 100	Time: 75 Minutes
Maximum Marks: 100	

INSTRUCTIONS TO CANDIDATES

- 1. 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.
- 6. 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.
- 9. 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.
- 13. 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.



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1.

1.		approximate rati - dichloroethane			m/z v	values	98, 100 and 1	02 in the	mass spectrum of
		3:1:1				(C)	1:2:1	(D)	1:1:2
2.	The	Bonding in meta	l carbo	onyls can be	e ident	tified	using :		
	(A)	UV spectroscop	у		(B)	IR s	pectroscopy		
	(C)	C ¹³ NMR			(D)	Non	e of these		
3.	Mag	netic moment of	[Co(F	$[H_2O)_6]^{2+}$ is	appro	ximat	ely:		
	(A)	2.5 BM	(B)	5.3 BM		(C)	3.9 BM	(D)	None of these
4.	Qua	rter life for a firs	orde	r reaction w	vill be	equal	to:		
	(A)	$\frac{\ln 2}{k}$	(B)	ln 0.4 k		(C)	$\frac{\ln 5}{k}$	(D)	<u>ln 4</u> k
5.	Ang	le between (110)	and (1	100) planes	in a si	mple	cubic crystal la	attice is e	qual to :
	(A)	15	(B)	60		(C)	45	(D)	None of these
6.	Nun	nber of protons in	n the s	shielded zoi	ne of 1	8 - an	nulene is :		
	(A)	6	(B)	3		(C)	5	(D)	2
7.	Silica	ates with continu	ious 3	D framewo	rk:				
	(A)	Neso silicates			(B)	•	llo silicates		
	(C)	Tecto silicates			(D)	Non	e of these		
8.		sing fraction of a			se to :				
	(A)	0.74	(B)	0.98		(C)	0.52	(D)	None of these
9.		ctive number of 2			n ZnS	-			
	(A)	8, 4	(B)	4, 4		(C)	4, 8	(D)	None of these
10.	Abso	orbance of a solu	tion w	vhose transi	mittan	ce is 5	50% is:		
	(A)	0.699	(B)	0.301		(C)	1.301	(D)	1.699
A					3				(D.T.O.)
									{P.T.O.}

	(A)	Fluorescien	(B)	Eosin	(C)	Ferroin	(D)	Chromate
12.	Nun	nber of bridging c	arbon	yls in Ir ₄ (CO) ₁₂ a	t low	temp. is :		
	(A)	3	(B)	9	(C)	6	(D)	0
13.		n symbol for B is :						
	(A)	$^{3}P_{3/2}$	(B)	${}^{2}P_{3/2}$	(C)	$^{1}P_{3/2}$	(D)	$^{2}P_{5/2}$
11		$\frac{\mathrm{d}}{\mathrm{d}x}$ =						
14.	_	CLU _						
	(A)	-1	(B)	1	(C)	0	(D)	2
15.	Com	plexes formed by					can b	e separated by :
	(A)	=		natography (B)		~	to omo	alar.
	(C)	Ger mitration ch	romat	ography (D)	1011	exchange chroma	logra	pny
16 .	Stru	cture of $[C_2B_9H_{12}]$	is :					
	(A)	Closo	(B)	Arachno	(C)	Nido	(D)	Hypho
17.	Grou	and state term syn	nbol c	of Co in $[CoF_6]^{3-}$	is:			
	(A)	$^{4}\mathrm{F}$	(B)		(C)	^{3}F	(D)	⁵ D
18.								halved when the
	K ₂ >	$> K_{-1}$.						
	(A)	0.5 dm ³ /mg	(B)	2 dm ³ /mg	(C)	$0.2 \text{ dm}^3/\text{mg}$	(D)	0.05 dm ³ /mg
19.	J_{max}	for a rigid diaton	nic mo	olecule with rotat	ional	constant 1.566 cm	${\mathfrak n}^{-1}$ at	300 K is:
	(A)	8	(B)	6	(C)	5	(D)	4
20.	Tem	perature effect of	schott	ky defect is giver	n by :			
	(A)	e ^{E/2KT}	(B)	e ^{-E/KT}	(C)	e ^{E/KT}	(D)	$e^{-E/2KT}$
21.		degeneracy of the 2, $n_z = 1$:	energ	gy level of a parti	cle in	cubic box with q	uantu	m numbers $n_x = 3$,
	(Å)		(B)	3	(C)	1	(D)	2
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Indicator used in the Mohrs method is:

11.

22.	Rotational	entropy is	s maximum	for	•
44.	Notational	CITTODY I	3 IIIuxIIIIuIII	101	٠

- (A) H_2
- (B) N_2
- (C) Cl₂
- (D) O_2

No. of ways in which four indistinguishable particles may be assigned to three states having Energy 1, 2 and 3 such that total energy remains 10 units is:

- (A) 5
- (B) 10
- (C) 6
- (D) 4

Value of ΔG for adsorption _____ with increase in temperature. 24.

- Becomes more positive starting from a negative value
- Becomes more negative starting from a negative value
- Becomes more negative starting from a positive value (C)
- (D) None of the above

Catalyst used in Wackers process:

- (A) SnCl₄

- (B) $[PtCl_4]^{2-}$ (C) $[CoCl_4]^{2-}$ (D) $[PdCl_4]^{2-}$

Co-catalyst used in Wackers process:

- (A) Co
- (B) Cu
- (C) Mo
- (D) Ag

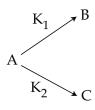
- (A) [1, 5]H
- (B) [1, 7]H
- (C) [1, 3]H
- (D) None of these

- (A) B_4H_{10}
- (B) B_5H_0
- (C) $[B_6H_6]^{2-}$ (D) B_5H_{11}

C-H stretching vibration of acetylene occurs at around: 29.

- (A) 3000 cm^{-1}
- (B) 2900 cm^{-1}
- (C) 2300 cm^{-1}
- (D) 3400 cm^{-1}

30. The activation energy for disappearance of A for the following reaction is:



(A) $\frac{K_1E_1 + K_2E_2}{K_1 + K_2}$

 $\frac{K_1E_2 + K_2E_1}{K_1 + K_2}$

(C) $\frac{K_1(E_1 + E_2)}{K_2}$

(D) None of these

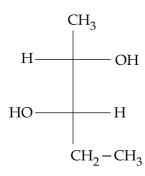
31.	Hot	bands in IR spec	trum i	s a conseque	ence o	of whi	ich of the	followi	ng trai	nsitions?	
	(A)	$v=0 \rightarrow v=2$	(B)	$v=1 \rightarrow v=$	=2	(C)	$v = 0 \rightarrow$	v=1	(D)	$v = 0 \rightarrow v = 3$	
32.		mass spectrum c	of an al	lkyl halide s	howe	d M a	and M+2	? peaks i	n the i	ntensity ratio 1	l : 1.
	(A)	alkyl chloride			(B)	alky	l bromid	e			
	(C)	alkyl iodide			(D)	canr	not be pr	edicted			
33.	The	number of peaks	s expe	cted in the p	roton	deco	upled CN	AR spect	trum o	f toluene is :	
	(A)	7	(B)	6		(C)	5		(D)	2	
34.	The para	density of an FC meter 2 A° is :	C crys	stal (0.2 kg o	f the	eleme	nt contai	ns 24×1	10 ²³ ato	oms) with unit	cell
	(A)	$4.17 \times 10^7 \text{ kg/r}$	ns		(B)	4.17	$\times 10^4$ kg	g/ms			
	(C)	$4.17 \times 10^{23} \text{ kg/}$	ms		(D)	41.7	$\times 10^4 \text{ kg}$	/ms			
35.	Rota	itional partition f	unctio	n for H ₂ at	0°C is	appr	oximatel	y :			
	(A)	10	(B)	15		(C)	1.5		(D)	3.5	
36.	Whi	ch of the followi	ng is r	ot a feasible	term	syml	ool for [N	Je]2p ¹ , 3	p ¹ con	figuration ?	
	(A)	$^{3}D_{2}$	(B)	$^{3}D_{3}$		(C)	$^{3}D_{1}$		(D)	$^{2}D_{3}$	
37.		ermination of C troscopy.	FSE o	f transition	meta	al cor	nplexes	can be	done	using	
	(A)	Electronic	(B)	Rotational		(C)	ESR		(D)	NMR	
38.	The	vapour phase iri	adiati	on of trans 1	., 2 - 0	dimet	hyl cyclo	hexanor	ne will	give :	
	(A)	cis-1, 2-dimeth	yl cycl	opentane							
	(B)	trans-1, 2-dime	thyl c	yclopentane							
	(C)	cis and trans 1	, 2-din	nethyl cyclol	hexan	.e					
	(D)	Mixture of (A)	and (E	3)							
39.	Phot	tochemical isome	risatio	n of trans st	ilbene	e to ci	s isomer	can be e	effected	d in presence o	f :
	(A)	$(C_6H_5)_2C = O$	(B)	$(CH_3)_2C =$	Ο	(C)	$(C_6H_5)_2$	₂ CH ₂	(D)	None of these	9
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40.		en aqueous solver e of :	nts ar	e to be used in I	R spe	ctroscopy, sample	e and	reference cells are
	(A)	CaCl ₂	(B)	CaF ₂	(C)	NaCl	(D)	KCl
41.	Natı	ıral rubber can be	e disti	nguished from bu	ıtyl ru	ıbber by an IR sp	ectral	peak around :
	(A)	1200 cm ⁻¹	(B)	1600 cm ⁻¹	(C)	2600 cm ⁻¹	(D)	None of these
42.	Enar	ntioselective epox	idatio	n of allylic alcoho	ols car	n be achieved by	:	
	(A)	Al-isopropoxide		(B)		sopropoxide		
	(C)	Ti-isopropoxide	dieth	yl tartarate (D)	Non	e of these		
43.	The	shape of ClF_2^+ is	:					
	(A)	Angular	(B)	Linear	(C)	Triagonal	(D)	None of these
44.	The	residual entropy	associ	ated with a cryst	al wit	h 6 possible orier	ıtation	s will be nearly :
	(A)	10	(B)	1.5	(C)	15	(D)	3.5
45.	The	point group of 1,	1-difl	uoroethylene is :				
	(A)	C_{3v}	(B)	$C_{\infty v}$	(C)	C_{2v}	(D)	C_{3h}
46.		the reaction $A \rightarrow 1$ imum is:	$B \to C$	C, where $k_1 = 5 \times 1$	$0^6 \mathrm{s}^{-3}$	1 and $k_2 = 3 \times 10^6$	s ⁻¹ , t	ime at which [B] is
	(A)	$2.6 \times 10^{-7} \text{ s}$	(B)	$1.1 \times 10^{-7} \text{ s}$	(C)	$2.55 \times 10^{-6} \text{ s}$	(D)	2.55 s
47.	The	number of radial	node	s for 4s orbital of	hydro	ogen atom is :		
	(A)	0	(B)	4	(C)	3	(D)	2
48.	The	number of metal-	-metal	bonds in Ir ₄ (CO) ₁₂ an	d Fe ₃ (CO) ₁₂ are r	espect	ively :
	(A)	6, 3	(B)	3, 6	(C)	6, 4	(D)	4, 6
49.		O		six co-ordinate to both ESR and M		-	k is ap	proximately 6 BM.
	(A)	$[Mn(H_2O)_6]^{2+}$	(B)	$[Fe(H_2O)_6]^{3+}$	(C)	$[Fe(H_2O)_6]^{2+}$	(D)	$[Fe(CN)_6]^{3-}$
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50.	Labi	lity of the ions, C	r ²⁺ , \	V^{2+} , Mn^{2+}	follow	the c	order :		
	(A)	$Cr^{2+} < V^{2+} < N$	/In ²⁺		(B)	Mn ²	$^{+} > Cr^{2+} > V^{2+}$		
	(C)	$Cr^{2+} > V^{2+} > N$	/In ²⁺		(D)	V ²⁺	$> Cr^{2+} > Mn^{2+}$		
51.	The	normalization co	nstant	of the equa	ation,	$\Phi_{\mathrm{m}}(\varphi$	$= B_{\rm m} e^{im\varphi}$ is:		
	(A)	$1/2\pi$	(B)	$1/\pi$		(C)	$1/\sqrt{2\pi}$	(D)	$1/\sqrt{\pi}$
52.	The	CFSE of [Ti(H ₂ O)	₆] ³⁺]	having a λ_{m}	_{ax} 492	2 nm i	s:		
	(A)	8130	(B)	20325		(C)	10162	(D)	None of these
53.		structures in whi	ch n	and (n-1)	corne:	rs of 1	n-cornered polyh	edron	s are occupied are
	(A)	closo and nido			(B)	nido	and closo		
	(C)	closo and arach	no		(D)	nido	and arachno		
54.		conversion of vi				cyclop	pentene upon he	eating	is an example of
	(A)	[1, 5]	(B)	[3, 3]		(C)	[1, 3]	(D)	[1, 2]
55.	Mini	mum intensity of	absor	rption in the	e UV-1	visible	e region will be sl	nown 1	by:
	(A)	$[Cr(H_2O)_6]^{2+}$	(B)	$[V(H_2O)_6]$	2+	(C)	$[Mn(H_2O)_6]^{2+}$	(D)	$[Co(H_2O)_6]^{2+}$
56.	Ехре	ected number of li	ines iı	n the ESR sp	ectru	m of 1	oenzene radical a	nion i	s :
	(A)	6	(B)	4		(C)	7	(D)	0
57.	Depo	olarisation by hyd	lroger	n ions can b	e prev	ented	by use of :		
	(A)	Nitrate ions	(B)	Hydrazine	•	(C)	•	e (D)	All of the above
58.	Curr	ent observed in the	he abs	sence of an	electro	oactiv	e species is terme	ed:	
	(A)	Residual curren	t		(B)	Fara	daic current		
	(C)	Diffusion currer	nt		(D)	Non	e of these		
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- 59. The decadic absorbance of a solution at a wavelength 200 nm is recorded as 1.08. Given the values of molar extinction co-efficient and path length to be 629 m²/mol and 0.00121 m, the concentration of the solution is:
 - (A) 0.142 M
- (B) 1.42 M
- (C) 0.00142 M
- (D) 0.0142 M

60. The configuration of the compound is:



- (A) 2S, 3R
- (B) 3R, 2S
- (C) 2S, 3S
- (D) 2R, 3R
- Average position of a particle in a one dimensional box of length L is: 61.
 - (A) $\frac{L}{3}$
- (B) L
- (C) 2L
- (D) $\frac{L}{2}$
- Ground state energy for an electron confined to a potential well of width 0.4 nm is: **62.**
 - (A) 226.7 kJ/mol
- (B) 22.6 kJ/mol
- (C) 3.76 kJ/mol
- (D) None of these
- The lowest energy band in the absorption spectrum of $[Ni(ethylene\ diamine)_3]^{2+}$:
 - (A) ${}^3T_{2g} \leftarrow {}^3A_{2g}$ (B) ${}^3T_{1g} \leftarrow {}^3A_{2g}$ (C) ${}^4A_{2g} \leftarrow {}^4T_{2g}$ (D) None of these

- The symmetry elements of chair form of cyclohexane are : 64.
 - $(A) \quad E, \, C_2, \, C_3, \, \sigma_v \qquad (B) \quad E, \, C_2, \, C_3, \, \sigma_d \qquad (C) \quad E, \, C_3, \, \sigma_{v'}, \, \sigma_d \qquad (D) \quad E, \, C_2, \, C_6, \, \sigma_d \qquad (D) \quad E_1, \, C_2, \, C_3, \, \sigma_d \qquad (D) \quad E_2, \, C_3, \, \sigma_d \qquad (D) \quad E_3, \, C_4, \, C_5, \, C_6, \, \sigma_d \qquad (D) \quad E_4, \, C_5, \, C_6, \, \sigma_d \qquad (D) \quad E_4, \, C_5, \, C_6, \, \sigma_d \qquad (D) \quad E_5, \, C_6, \, \sigma_d \qquad (D) \quad E_6, \, C_7, \, C_8, \, C_8,$

- 65. Which among the following are allowed transitions?
 - (A) $1s \rightarrow 2p$

- (B) $2p \rightarrow 3s$ (C) $3d \rightarrow 4f$ (D) all of these
- Which among the following is Mossbauer inactive?
 - (A) ⁵⁷Fe
- (B) ⁶⁷Zn
- (C) ^{119}Sn
- (D) ¹²¹Sb
- The nuclear partition function of ortho deuterium molecule is: 67.
 - (A) 3
- (B) 2
- (C) 6
- (D) None of these

68.	The	shape of [TeF ₅] - ion	f $[TeF_5]^-$ ion based on VSEPR theory is :						
	(A)	Octahedral		(B)	Squa	are pyramidal			
	(C)	Pentagonal		(D)	Tria	gonal bipyram	idal		
69.		ording to the transiti sure when ΔV^* is neg		ory, th	ie rate	e constant of a	reaction	n with	
	(A)	Decreases		(B)	Incr	eases			
	(C)	Remains unaltered		(D)	First	t decreases and	l then inc	creases	
70.	The	hybridization in Zeis	e's salt is :						
	(A)	dsp^2 (B)	sp ³ d		(C)	sp^2d	(D)	None of these	
71.		s always better to be erating". To which m	0			_		than arguing and	
	(A)	Empirical to Ration	al	(B)	Mac	ro to Micro			
	(C)	Particular to Genera	al	(D)	Sim	ple to Complex	(
72.	Which of the following assessment technique is most appropriate for assessing creative thinking in students ?								
	(A)	Reasoning question	s	(B)	Ope	n ended questi	ions		
	(C)	Logical questions		(D)	Hyp	oothesising			
73.	Jigsa	nw method is a form	of:						
	(A)	Collaborative Learn	ing	(B)	Co-c	operative Leari	ning		
	(C)	Graphic Organiser	Strategy	(D)	Prob	olem Based Lea	arning		
74.	Whi	ch is an example for	reflective tead	ching	practi	se?			
	(A)	Changing presentat	ion style afte	r a fee	- edback	session			
	(B)	Giving follow-up ac	tivities regula	arly					
	(C)	Ensuring activities s	suggested in t	ext bo	ook				
	(D)	Conducting an achi	evement test						
75.		ording to Benjamin ents is :	S. Bloom, th	ie cate	egory	which develo	ops the o	creative ability of	
	(A)	Analysis (B)) Application	on	(C)	Evaluation	(D)	Synthesis	

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	(C)	(b) and (c) only			(D)	(a),	(b) and (c)			
	(A)	(b) only			(B)	` ,	nd (c) only			
		ch one of the stat	emen	ts given abo						
	(c)	The President's	powe	r to pardon	exten	ds to	punishment	or sentenc	e by Court	Martial.
	(b)	The Governor of	annot	commute o	death s	senter	ce to the life	e imprison	ment.	
	(a)	The President o	an co	mmute deat	th sent	tence	to the life im	prisonme	nt.	
82.	Cons	sider the followin	ng stat	tements :						
	(C)	Parliament			(D)	Min	stry of Hom	e Affairs		
	(A)	Chairman of th	e Con	nmission	(B)		ident of Indi			
81.		er Art : 321 of tl lic Service Comm						xtend func	tions of the	Union
	(C)	Show casing ne	ew res	earch	(D)	All o	of the above			
	(A)	Multiple target	_		(B)		ıp discussioi	ns		
80.		ferences are mea								
	(A)	ibid	(B)	et.al		(C)	op.cit	(D)	loc.cit	
79.		en 2 or more sucressions is used?	cessiv	e footnotes	refer	to the	same work	, which or	ne of the fo	llowing
	(D)	To increase job	prosp	ects of an i	ndivid	ual.				
	(C)	To help the ind	ividua	al to become	e an ei	minen	t educationa	list.		
	(B)	To increase soci	al sta	tus of an in	dividu	ıal.				
	(A)	To help in the p	erson	al growth o	of an ii	ndivid	lual.			
78.	Whi	ch is the main pu	ırpose	of research	n in ed	ucatio	on ?			
	(A)	Honesty	(B)	Subjectivi	ty	(C)	Integrity	(D)	Objectivit	y
77.	Rese	earch ethics do no	ot incl	ude :						
	(D)	The research is	carrie	d out keepi	ng in 1	mind	the possibilit	ties of an i	ncident.	
	(C)	The research is		-						
	(B)	The research is	carrie	d out along	gwith t	the ha	ppening of a	an inciden	t.	
	(A)	The research is	carrie	d out after	the in	cident	•			

76. Ex Post Facto research means :

83.		ent feature of Indian Co following is wrongly m			een borrowed from various sources.	Which of
	(A)	Emergency provision	s	-	Germany	
	(B)	Fundamental rights		-	USA	
	(C)	Structural parts		-	Government of India Act, 1935	
	(D)	Bicameralism and rel	ation	-	Canadian Constitution	
		between executive ar	ıd legis	slature		
84.	Whi	ch of the following are	correc	c tly matche	d ?	
	(a)	Tenth Schedule	-	Added by	52 nd Amendment Act	
	(b)	Nineth Schedule	-	Added by	1 st Amendment Act	
	(c)	Art: 15(5)	-	Added by	93 rd Amendment Act	
	(d)	Twelfth Schedule	-	Added by	74 th Amendment Act	
	Code	es:				
	(A)	(a) and (b)		(B)	(a), (b) and (c)	
	(C)	(a), (c) and (d)		(D)	(a), (b), (c) and (d)	
85.		er Indian Constitution lom of religion ?	which	is not a gro	ound on which the state can place res	triction on
	(A)	Public Order		(B)	Morality	
	(C)	Health		(D)	Economic justice	
86.	diffi	culties in giving effect	to the	provisions o		removing
	` /	1 year from the comr				
	(B)	2 years from the com				
	(C)	3 years from the com				
	(D)	4 years from the com	шепсе	ment of the	ACI	
87.		er protection of Wome agistrate ?	n from	Domestic \	violence Act, 2005, who will present a	pplication
	(A)	Aggrieved person				
	(B)	Protection officer				
	(C)	Other person on beha	alf of tl	ne aggrieve	d person	
	(D)	Either (A) or (B) or (C	C)			

	(A)	November 14 th 2012	(B)	October 2 nd 2012	
	(C)	November 1 st 2012	(D)	October 10 th 2012	
89.		o can apply to court for i	injunction unde	r Sec : 22 A of Air [P:	revention and Control of
	(A)	Pollution Control Board	d (B)	Any Person	
	(C)	State Government	(D)	Central Government	
90.	Whi	ch of the following stater	ment is false ?		
	(A)	Under Transplantation donor in India.	of Human Or	gans Act, 1994, a fore	eigner cannot get a local
	(B)	Human blood is 'drug'	under Drugs ar	nd Cosmetic Act.	
	(C)	Cadaveric organ done confirmation of brain d		ledging of organs fo	r Transplantation after
	(D)	A person between the a	age of 18 - 65 ye	ears can donate blood.	
91.		Nampoothiri woman wl ce on the Nampoothiri b		I to the Cochin Legisl	ative assembly to render
	(A)	Lalitha Prabhu	(B)	Lalithambika Antha	rjanam
	(C)	Arya Pallem	(D)	K. Devayani	
92.	Who	among the following po	oets is known a	s RASHTRAKAVI ?	
	(A)	Pallath Raman	(B)	K.P. Karuppan	
	(C)	M. Govinda Pai	(D)	N.V. Krishna Warrie	r
93.	Purc	ogamana Sahitya Samiti ((Progressive Wr	iters Association) was	founded in the year :
	(A)	1937 (B)	1928	(C) 1932	(D) 1941
94.	Whi	ch of the following town	ships has a coll	ege named after Velu	Thampi Dalawa ?
	(A)	Neyyattinkara	(B)	Dhanuvechapuram	
	(C)	Attingal	(D)	Parassala	
95.	Patr	iotic poem "Varika Varik	ka Sahachare" is	s written by :	
	(A)	Amsi Narayana Pillai	(B)	Bodheswaran	
	(C)	Abhaya Dev	(D)	Vayalar Ramavarma	
A			13		033/2018 {P.T.O.}

Protection of Children from Sexual Offences Act, 2012 came into effect from :

88.

96.	The Newspaper "Samadarsi" started in 1923 was founded by:					
	(A)	C.V. Kunjuraman	(B)	K. Ramakrishna Pillai		
	(C)	K. Krishnan	(D)	Kesari A. Balakrishna	Pillai	
97.	Sarvodaya leader M.P. Manmadhan is associated with:					
	(A)	Khadi Movement	(B)	Prohibition Movement	· ·	
	(C)	Hindi Movement	(D)	Abstention Movement		
98.	Kerala Provincial Congress Committee came into existence in :					
	(A)	1919 (B)	1928	(C) 1924	(D) 1921	
99.	"Hunger March" of 1936 from Kannur to Chennai was led by :					
	(A)	K. Kelappan	(B)	P. Krishna Pillai		
	(C)	N.C. Shekhar	(D)	A.K. Gopalan		
100.	The book "Gandhi and Anarchy" is written by :					
	(A)	C. Achutha Menon	(B)	C. Shankaran Nair		
	(C)	K.M. Panicker	(D)	V.K. Krishna Menon		
	- o O o -					

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