PUNJAB PUBLIC SERVICE COMMISSION

Competitive Examination (August-2015) for Recruitment of Assistant Director (Toxicology) in the Department of Home Affairs & Justice, Punjab

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

Candidate's Name	
ather's Name	
Pate of Birth	Category Code*
DD MM YYYY	(*as given in the admit card)
OMR Response Sheet No.	Booklet No.
Roll No.	000108
Candidate's Signature (Please sign in the box)	
INSTRUC	TIONS
The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant columns (other than the columns related to marking responses to the questions) of the Optical Mark Reader(OMR) response	9 The candidates shall be responsible to ensure that the responses are marked in correct manner and any adverse impact due to wrong marking of responses would be the responsibility of the respective candidate. The following are some of the examples of wrong marking of responses on the OMR response sheet.
- Neighbor specific Vietge Paring Control	10. The candidates, when allowed to open the question paper booklet, are advised to check the booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should immediately bring this fact to the notice of the invigilation Staff and obtain a booklet of the same series as this one.
The candidate must fill all the columns given above on this page and sign at the appropriate place Each candidate is required to attempt 100 questions in 120 minutes, except for visually impaired candidates, who would be given 20 minutes extra, by marking correct responses on the OMR sheet which would be supplied separately to the	11. The serial number of the new booklet should be entered in the relevant column of the OMR. The candidate should request the Invigilation Staff to authenticate the change in serial number of question booklet by obtaining the initials of the Staff on the corrected serial number of the question booklet
6 The candidate must write the following on the OMRs sheet: (a)Serial number of OMR sheet supplied to him/her for marking the responses to the questions. (b)Serial number of the question booklet Failure to do so may lead to cancellation of candidature or any other action which the	The question paper booklet has 17 pages. Each question shall carry three marks.
Commission may deem fit. 7. The candidate should darken the appropriate response to the question by completely darkening the appropriate circle/oval according to his/her choice of response i.e. a, b, c or d in the manner shown in the example below.	14. There are four options for each question and the candidate has to mark the most appropriate answer on the OMF response sheet using blue or black ball point pen.
Partly darkening the circle/oval on the OMR response sheet or using other symbols such as tick mark or cross would not result in evaluation of the response as the OMR scanner can only interpret the answers by reading the darkened responses in the manner explained in preceding paragraph. Darkening more than one circle/oval as response to a question shall also be considered as wrong answer.	

ASSISTANT DIRECTOR (TOXICOLOGY)

- 1. Servere is similar to toluene:
 - I metabolism to redox active metabolite
 - Ill regarding covalent binding of its metabolites to proteins
 - IC in its ability to produce CNS depression
 - in the ability to produce acute myelogenous leukemia
- 2 Tests for Drugs' in Toxicology, which statement is FALSE?
 - (4) BedSide ECG and serum-Paracetamol are regarded as routine. Toxicology screening
 - Screening
 - Sas chromatography/mass spectrometry is performed as 'Confirmatory test' on blood or unine samples
 - Thin layer/paper chromatography, used on urine and blood samples assists in 'Drug Screening'
- 3. The most poisonous salt of mercury is:
 - (A) Chloride
 - (E) Chromate
 - (C) Cyanide
 - (D) Oxide
- In chronic arsenic poisoning the following samples can be sent for laboratory examination, except:
 - (A) Nail clippings
 - (B) Hair samples
 - (C) Bone samples
 - (D) Blood sample
- 5. Apoplexy is the term used for:
 - (A) Cerebral concussion
 - (B) Cerebral anoxia
 - (C) Cerebral congestion
 - (D) None of the above
- 5. Which of the following poisons can be detected in the viscera in a decomposed body?
 - (A) Acetic acid
 - (B) Chloroform
 - (C) Organophosphorous
 - (D) Phosphorous

7. Sm	ell of bitter almonds is seen in poisoning	g by:
	(A) Hydrocyanic acid	
	(B) Nitric acid	
	(C) Phosphorous	
	(D) Oxalic acid	
8. Opl	notoxemia refers to:	
(A	Organophosphorous poisoning	(B) Heavy metal poisoning
(C)	Scorpion venom poisoning	(D) Snake venom poisoning
9.	is combined effect of two che	micals is greater than sum of effects of each.
		is greater than sum or effects of each.
	(A) Addition	(B) Synergism
	(C) Potentiation	(D) Antagonism
diffe	rence in: partition coefficients	tion of the components of the volatile material is
(8)	conductivity	
(C)	molecular weight	
(D)	molarity	
11. What	is the relationship between wavelength	and wave number?
(A)	Wavenumber = 1 / wavelength in cer	ntimeters
(B)	Wavenumber - wavelength in nanom	neters = 1
(C)	Wavelength in nanometers x wavenu	imber = 1
(D)	None of the above	
12. In the	equation, $A = \varepsilon bc$, which of the following	g is represented by "E"?
(A)	Absorbtivity	
(B)	Molar absorbtivity	
(C)	Path length	
(D)	None of the above	

B. WW.	special compounds is usually concerned with which electronic
Territor.	
95)	696
is.	272
10	n de n'androde
135	hone of the above
SK Why a	e relational transitions of little use to a spectroscopist?
(4)	Secause the energy required to induce a rotational transition is so small that it cannot be measured
(5)	Because rotational transitions are extremely rare
(0)	Because in liquids and solids, spectral lines corresponding to rotational transitions are broadened as the result of molecular collisions and other interactions
(0)	All of the above
15. For a t	vpical adsorbent such as silica gel, the most popular pore diameters are:
(A)	10 and 50 A*
(8)	50 and 100 A°
(C)	100 and 150 A°
(0)	150 and 200 A°
16. What	is shielding in NMR?
(A)	Using a curved piece of metal to block an opponents attack
(B)	Putting metal around an Rf source
(C)	When the magnetic moment of an atom blocks the full induced magnetic field from surrounding nuclei
(D)	Blocking parts of a molecule from Rf radiation
17. When	placed in a magnetic field, all the random spins of the nuclei:
	SWCS
(A)	stop
(8)	reverse direction
(C)	align with the magnetic field
(D)	rotate to 90° away from the induced field

	(A)	time domain
	(B)	frequency domain
	(C)	both (a) and (b)
	(D)	none of the above
	19. Theo	pretical plates are used to:
	(A)	estimate the efficiency of a column
	(B)	determine the thickness of the stationary phase
	(C)	measure the distribution of the analyte between mobile and stationary phases
	(D)	None of the above
		ch of the following technique provides a nondestructive method for identifying antifying trace elements:
	(A)	Inductively couples plasma emission spectrometry
	(B)	Atomic absorption spectrometer
	(C)	Neutron activation analysis
E .	(D)	X-ray diffraction
	21. Casto	or oil contain which of the following toxin substance:
	(A)	Atropine
	(B)	Strychnine
	(C)	Ricin
	(D)	Thebaine
	22. Whic	ch one of the following is true concerning salicylate intoxication?
	(A)	High blood levels cannot be removed by dialysis
	(B)	If a respiratory alkalosis is present, do not administer intravenous bicarbonate
	(C)	Salicylate intoxication causes both a metabolic acidosis and a metabolic alkalosis
	(D)	Oil of wintergreen can cause salicylate poisoning

18. An FT-IR instrument record a signal in the:

23. Technique in which anticoagulated blood is pas	sed through a country consume evaness		
charcoal or resin particles is referred to as:			
(A) Whole bown impation			
(B) Forced dietects			
(C Hemodialpin			
(D) Hemoperfusion			
24. Which of the following substances is not easily	adsorbed by activated charcoal?		
(A) iron			
(B) Ethanol			
(C) Methanol			
(D) All of the above			
25. Which of the following is a type of Inhalationa	I dosage form?		
(A) Aerosol			
(8) Capsules			
(C) Subcutaneous administration			
(D) Tablet			
26. Nonic compounds are easily soluble in:			
(A) Polar solvents			
(B) Non-polar solvents			
(C) Both polar and non-polar solvents			
(D) None of the above			
27. Which type of toxicologist is concerned wi workplace?	th the use of toxicants by the public and in the		
	(B) Mechanistic toxicologist		
(A) Descriptive toxicologist	(D) Clinical toxicologist		
Regulatory toxicologist	(D) Cliffical toxicologist		
28. Cherry red appearance is seen in poisoning	with:		
(A) Atropine			
(B) Cyanide			
(C) Organophosphate			

Porassium permanganate

29. Which of the following is a rave drug	
(A) Cannabis	
(B) Cocaine	
(C) Heroin	
(D) Ecstacy	
30. The pupils of a patient would be pinpo	int in poisoning with the following agents except:
(A) Carbanates	a war the following agents except
(B) Phenothiazines	
(C) Barbiturates	
(D) Opioids	
31. The preferred chemical antidote in mine	ral acid poisoning is:
(A) Magnesium oxide	
(B) Magnesium carbonate	
(C) Sodium bicarbonate	
(D) Sodium hydroxide	
	but when added to other toxic chemical it makes
(A) Addition	
(C) Potentiation	(B) Synergism
	(D) Antagonism
33. Which is the best definition of the term tox	icant?
(A) a chemical that causes adverse eff	V0.240
(B) a substance produces as a result of	ects
(C) a branch of toxicology	numan activities
(D) an agent that neutralizes the effect	s of a poison.
34. The statement, "All substances are poisons, dose determines that a thing is not a poison"	
(A) Hippocrates	
(C) Mithridatos	(B) Theophrastus

(D) Paracelsus

(C) Mithridates

the stationary phase is made up of:	
E. In reverse phase chromatography, the stationary phase is made up of:	
(a) non-polar	
(%) polar	
(C) either non-polar or polar	
(D) none of the above	
which took a long time.	
36. The part of species had to be acquired one wavelength at a time, which took a long time.	
Today quick spectra is that to:	
Transfer Algorithm allows us to scan all frequencies at once	
(b) Agent is figure today that it used to be	
and a second of broad spectrum of wavelength	
(S) reme of the above	
and the second s	
EX Why must be so tage supplied to a tungsten lamp be very stable?	
Second if it wasn't, the lamp would bum out	
Secause amount of energy the lamp emits is proportional to the power of the	
enerating voltage	
Because the lamp will only function at a specific voltage	
(D) All of the above	
38. Wibrational spectroscopy is:	
(A) a large mass on a weak spring	
a flashlight through a prism and shake it	
a class of spectroscopic techniques which analyzes molecular motions	
(D) an Infrared spectroscopy	
39. HPLC stands for:	
(A) High Pressure Liquid Chromatography	
(B) High Performance Liquid Chromatography	
(C) both (A) and (B)	
DH gray Placed Liquid Chromatography	

40. An isocratic elution in HPLC is one in which the composition of the solvent: (A) remains constant. (B) changes continuously (C) changes in a series of steps (D) none of the above 41. In normal phase HPLC, there is a: (A) non polar solvent/polar column (B) polar solvent/non-polar column (C) non polar solvent/non-polar column (D) any of the above 42. Better understanding of the nuclei is possible: (A) with the help of wavelength spectrum (B) with the help of a mathematical translator called the fourier transfer algorithm (D) none of the above 43. Which of the following is not used as detector in GC? (A) Infrared spectroscopy (B) NMR (C) Flame ionisation (D) Electrical conductivity 44. X-ray diffraction can only be applied to: (A) Liquids (B) Solid, crystalline materials (C) Gaseous or vapor materials (D) All of the above 45. Which of the following procedure is contraindicated for patients who have ingested strong acids and alkalis?	40. An isocratic elution in HPI Circums
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(A) Emesis (B) Gastric lavage (C) Whole bowel Irrigation	45. Which of the following procedure is contraindicated for patients who have ingested strong
(B) Gastric lavage (C) Whole bowel Irrigation	NAV.
(C) Whole bowel Irrigation	
(D) Both emesis and Gastric lavage	(C) Whole bowel Irrigation
	(D) Both emesis and Gastric lavage

at the following technique is helpful in removing ethanol from body?
(A) Dialysis
(B) Activated charcoal
(C) Diuresis
(D) Hemoperfusion
Which of the following chelating agent is recommended for acute Lead poisoning with signs of except allocating?
(A) Succimer
(B) Periodiamine
(C) Dimercayoral
(D) Dimercapiral - Calcium EDTA
48. All of the following substances bind well to activated charcoal except:
S 2000
5) cyande
(D) benzhopine
** * * * * * * * * * * * * * * * * * *
inhibiting brain activity) is known as:
(A) a cutting agent
(B) a depressant
(C) an hallucinogen
(D) a stimulant
The most commonly used pyrethroid synergist is:
(A) Silica (B) piperonyl butoxide (C) methyl butyl ether (D) n-actyl bicyloheptene dicarboximide
51. Paraquat and diquat differ substantially in their:
(A) metabolism to a free radical (B) ability to initiate lipid peroxidation in vivo
(C) uptake by the lung
(D) generation of superoxide anion in vivo

(A) Supplemental oxygen should be avoided (B) It is associated with 'Paraquat tongue' (C) A raised creatinine carries a poor prognosis (D) Paraquat has an effect on the neuromuscular junction 53. Acetaminophen (paracetamol) can undergo all of the following biotransformation reactions (A) Deamination (B) N-oxidation (C) Glucuronidation (D) Sulphation 54. A person was brought by police from the railway platform. He is talking irrelevant. He s having dry mouth with hot skin, dilated pupils, staggering gait and slurred speech. The most (A) Alcohol intoxication (B) Carbamates poisoning (C) Organ phosphorous poisoning (D) Dhatura poisoning 55. Regarding methanol poisoning: Assertion: Administration of ethanol is one of the treatment modalities Reason: Ethanol inhibits alcohol dehydrogenase Please select the most correct option from the following: (A) Both assertion and reason are true, and the reason is the correct explanation (B) Both assertion and reason are true, and the reason is not the correct explanation is (C) Assertion is true, but the reason is false (D) Assertion is false, but the reason is true 56. Ion exchange chromatography is based on the: (A) electrostatic attraction (B) electrical mobility of ionic species (C) adsorption chromatography (D) partition chromatography 57. Which of the statement about neutron activation analysis is incorrect? (A) No chemical preparation is required (B) Small sample sizes 1-200mg is required

52. Which is false regarding Paraquat poisoning?

(C) It is non destructive techniques

(D) The sensitivity of method is independent of sample matrix

58.	Which of the following components of a monochromator is the dispersing element?			
	(A)	The collimating lens		
		The entrance slit		
	(C)	The diffraction grating		
	(D)	None of the above		
59.	Beer's	Law states that:		
	(A)	absorbance is proportional to both the path length and concentration of the absorbing species		
	(B)	absorbance is proportional to the log of the concentration of the absorbing species		
	(C)	absorbance is equal to Po / P		
	(D)	none of the above		
60.	Headspace analysis is carried out in order to:			
	(A)	analyse volatile compounds from solid or liquid samples		
	(B)	determine the psychological state of the tutor		
	(C)	analyse the column contents ahead of the sample		
	(D)	determine non-volatiles		
61.	Which	of the following information can be obtained from the mass spectrum?		
	(A) T	he structure of a compound		
	(B) T	he empirical formula of a compound		
	(C) T	he relative molecular mass of a compound		
	(D) A	Il of the above		
62.				
	60.61.	(A) (B) (C) (D) 59. Beer's (A) (B) (C) (D) 60. Headsp (A) (B) (C) (D) 61. Which (A) T (B) T (C) T (D) A		

63. Autoclave is a strong steel vessel that is used for which of the following process?

(A) Cyclone (B) Centrifuge (C) Impeller

(A) Pasteurization(B) Sterilization(C) Precipitation(D) Heating

(B) Amphetamine

(D) Methamphetamine

(D) Both cyclone and centrifuge

64. Which of the following is commonly known as ecstasy?

(A) 3,4-methylenedioxyamphetamine (MDA)

(C) 3,4-methylenedioxymethamphetamine (MDMA)

65. The e	ffects of cocaine closely resemble to the effects caused by:
(/	A) LSD
(8	B) Morphine
	Methamphetamine
	O) Methaqualone
66. In high	hly putrified bodies, larvae, maggots and other entomological samples for toxicolog
analys	sis should be preserved by:
) Refrigeration
(B) Formalin
(C) Saturated salt solution
(D) Absolute alcohol
67. Neutro	on Activation Analysis is based on the theory that atoms will capture a neutron and se radioactive. What are atoms that contain extra neutrons called?
	dat contain extra neutrons called?
(A)	Isotopes
(B)	Elements
(C)	Allotropes
(D)	lons
68. HPL	C methods include:
(A)	liquid/liquid (partition) chromatography
(B)	liquid/solid (adsorption) chromatography
(C) (D)	ion exchange and size exclusion chromatography all of the above
69. The acti	ve components of cannabis responsible for its hallucinogenic properties are the
12 (2) (2)	recommended (Trics). Which of the following forms of cannahis has the highest
concent	ration of THCs?
(A)	Cannabis oil
	Herbal cannabis
0.00	Hashish
(D) I	Marijuana Marijuana
70. The level	of toxicity of Datura plant on the basis of increasing level is:
	oot, Seeds, Fruit, Leaf
(B) Le	eaf, Root, Fruit, Seeds
(C) Fr	ruit, Root, Seeds, Leaf
(D) Se	eeds, Leaf, Root, Fruit

71.	In rever	sed phase HPLC, there is a:	
	(4)	non polar solvent/polar column	
	(B)	polar solvent/non-polar column	
	(C)	non polar solvent/non-polar column	
	(D)	polar solvent/polar column	
		the following(s) is/are the advanta omatography)?	ge of HPLC over traditional LPLC (low-pressure
	STRIVES NO		
	(A)		
	(B)		olecules
	(C)		
	(D)	All of the above	
73. (Coupling	causes the peaks in ¹ H NMR spectra	to be split into:
	(A)	Two peaks	
	(B)	Multiple peaks equal to the numb	er of hydrogens or surrounding atoms
	(C)	Sample recovery	
	(D)	Multiple peaks equal to the numb	er of hydrogen on surrounding atoms, plus one
	(B) Selectively filter certain wavelen	diation into its component wavelengths gths from a beam of I.R. radiation ver frequency, so that it can be observed by a
75.		is when two chemicals interfer	e in each other's action.
	(A)	Addition	(B) Synergism
	(C)	Potentiation	(D) Antagonism
76.	An exam	ple of polychlorinated hydrocarbon	îs:
	0.524	Parathion	
	(B)	Malathion	
	(C)	Diazinon	
	(D)	Endrin	
77.	In meth	yl alcohol poisoning, there is centra ic nerve atrophy. These effects are p	I nervous system depression, cardiac depression roduced due to the formation of :
	(A)	Formaldehyde and formic acid	(B) Acetaldehyde
	(C)	Pyridine	(D) Acetic acid

1988	147 - 5-35-57 6123	taken two bottles of liquor from the local shop. After about
hour be	a develops confusion	vomiting and blurring of vision. He has been brought
emerge	ncy department. He s	hould be given which of the following antidotes:
(A)	Naloxone .	(B) Diazepam
(C)) Flumazelnil	(D) Ethyl alcohol
79. Aspirin:		
(A)	Is hydrolysed to acet	one and salicylate
(B)	Exhibits first order ki	inetics with elimination in low doses
(C)	Reversibly blocks the	e cyclooxygenase enzyme
(D)	Causes an immediate	e doubling of bleeding time
80 Estimat	tion of plasma choline	esterase levels may be helpful in the management of which of
	lowing poisonings?	
(A)	Dhatura	
(B)	Barbiturate	
(C)	Ogranophosphorous	5.
(D)	Opium	
81. Which	one of the following	antidotes matches the underlying toxicity?
(/	A) Benzodiazepines —	- naloxone (Narcan)
(B) Narcotics — flumaz	zenil (Romazicon)
(C) Ethylene glycol —	ethanol (booze)
(D) Acetaminophen —	fomepizole (4-methylpyrazole)
82. An iso	ocratic elution in HPLC	C is one in which the composition of the solvent:
	A) remains consta	
	(B) changes contin	uously
	(C) changes in a se	eries of steps
	(D) none of these	
83. Rega	rding aspirin:	
	247	a second to the country of hours
(A) The average anti-i	inflammatory dose of aspirin is 0.6g up to 4 hourly

(C) Aspirin's antiplatelet effect lasts 8 – 10 days

(D) At low toxic doses – respiratory acidosis may occur

(A) High blood levels cannot be removed by dialysis (B) If a respiratory alkalosis is present, do not administer intravenous bicarbonate (C) Salicylate intoxication causes both a metabolic acidosis and a metabolic alkalosis (D) Oil of wintergreen can cause salicylate poisoning 85. Exposure to fumes of which of the following metals is most likely to cause acute chemical pneumonitis and pulmonary oedema? (A) lead (B) zinc (C) cadmium (D) copper 86. Consumption of milk from goats which have grazed on lupine plants containing the alkaloid, anagyrine, may cause: (A) birth defects when ingested by women during early pregnancy (B) severe liver damage characterized by centrilobular necrosis (C) dizziness, nausea, headaches and hallucinations (D) numbness of the extremities 87. N-acetyl penicillamine is used in the treatment of poisoning by: (A) Mercury (B) Lead (C) Cadmium (D) Arsenic 88. Ophotoxemia refers to: (A) Organophosphorous poisoning (C) Scorpion venom poisoning (D) Snake venom poisoning 89. The term 'controlled drug' is applied to: (A) any drug that is available only on prescription. (B) Any prescription drug that is diverted to the black market for illegal usage. (C) any drug that is subject to the Intoxicating Substance (Supply) Act 1985. (D) any drug that is subject to the Misuse of Drugs Act 1971.	84. Which one of the following is true concerning salid	cylate intoxication?
(B) If a respiratory alkalosis is present, do not administer intravenous bicarbonate (C) Salicylate intoxication causes both a metabolic acidosis and a metabolic alkalosis (D) Oil of wintergreen can cause salicylate poisoning 85. Exposure to fumes of which of the following metals is most likely to cause acute chemical pneumonitis and pulmonary oedema? (A) lead (B) zinc (C) cadmium (D) copper 86. Consumption of milk from goats which have grazed on lupine plants containing the alkaloid, anagyrine, may cause: (A) birth defects when ingested by women during early pregnancy (B) severe liver damage characterized by centrilobular necrosis (C) dizziness, nausea, headaches and hallucinations (D) numbness of the extremities 87. N-acetyl penicillamine is used in the treatment of poisoning by: (A) Mercury (B) Lead (C) Cadmium (D) Arsenic 88. Ophotoxemia refers to: (A) Organophosphorous poisoning (B) Heavy metal poisoning (C) Scorpion venom poisoning (D) Snake venom poisoning 89. The term 'controlled drug' is applied to: (A) any drug that is available only on prescription. (B) Any prescription drug that is diverted to the black market for illegal usage. (C) any drug that is subject to the Intoxicating Substance (Supply) Act 1985.		
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	(B) Any prescription drug that is diverted to the	ne black market for illegal usage.
(D) any drug that is subject to the Misuse of Drugs Act 1971.	(C) any drug that is subject to the Intoxicating	Substance (Supply) Act 1985.
	(D) any drug that is subject to the Misuse of D	rugs Act 1971.
	A TOTAL CONTROL AND	

90. Which of the following pairs is false re	garding Drugs and their appropriate antidote?
(A) Beta blockers -Glucagon	
(B) Chloroquine – Diazepam	
(C) Isoniazid – Pralidoxime	
(D) Methanol-Ethanol	
91. Regarding antimicrobial toxicity, the f	ollowing are often fatal except:
(A) Isoniazid	
(B) Neomycin	
(C) Chloroquine	
(D) Quinine	
92. Each of the following solvents is paire	ed with a correct target organ of toxicity except
(A) Methanol : retina	
(B) Ethylene glycol : kidney	
(C) Ethylene glycol monomethyl	
(D)Dichloromethane : central no	ervous system
93. Paraquat poisoning causes:	
(A) Renal failure	(B) Cardiac failure
(C) Respiratory failure	(D) Multiorgan failure
94. Ecstasy toxicity causes:	
(A) Hypereflexia	(B) Trismus
(C) Visual hallucinations	(D) All of the above
95. All of the following are treatment of	options for toxic alcohol poisoning except:
(A) Fomepizole	(B) Hydroxycobalamin
(C) Thiamine	(D) Folic acid
96. If an individual previously exposed response when he encounters it for	to a particular substance exhibits an enhanced i r a second time, this condition is known as:
(A) accumulation	
(B) idiosyncrasy	

(C) sensitisation (D) tolerance

(B)	salicylates
(C)	methanol
(D)	diuretics
98. No speci	fic antidote is available for poisoning by:
(A) s	sodium fluoroacetate
(B) v	warfarin
(C) (chlorinated hydrocarbon insecticides
(D) r	rotenone
99. People ta	ake Drugs for:
(A) F	Relief from stress
(B) F	Peer pressure
(C) F	Recreation
(D) A	All of above
00. In NMR,	the amount of energy required to cause a particular nucleus to re-align depends on:
	Field strength
District of	Type of molecule
	nter molecular interactions
(D) A	All of above

97. All of the following may cause metabolic acidosis except:

(A) renal failure