Questions 1 - 92: Select the single, most appropriate answer.

	1. Opio	id analgesics produce all of the following effects EXCEPT:
_	A DO DO DO	Respiratory depression Nausea Mydriasis Constipation Sedation
	2. All o	of the following statements are true with regard to gamma hydroxybutyrate EPT:
	(<u>B</u> .) C.	Depressant effects are enhanced when taken with ethanol Has a high therapeutic index Increases dopamine release by an indirect mechanism Effects can include drowsiness, dizziness and vomiting Chronic use can lead to physical dependence
	3. Whi	ch of the following prostaglandins has been implicated in causing pain ciated with inflammation?
_	A. B. C. D. E.	PGF ₂ , PGl ₂ PGE ₂ Prostacyclin Thromboxane
	4. All	of the following drugs have anti-inflammatory effects EXCEPT:
,	¥A: B. C.(D)E	Acetylsalicylic acid Indomethacin Naproxen Ibuprofen Acetaminophen
		ing to induce vomiting?
3	A. B. C. D. E.	Naloxone Syrup of ipecac Sodium bicarbonate Epinephrine Charcoal

	6.	Whic	h of the following vitar	nins is most likely t	to be hepatotoxic	in man?		
21		A. B. C.	Vitamin A refin of Vitamin B ₁ + (v ₁) Vitamin B ₂ + (v ₂)		JH 1112	W. A.	iver as ester lamage possible	
\mathcal{M}		(D.)	Vitamin B ₆ macii		-10h	s term o	lamaga possible	
		Ĕ.	Vitamin C & storbid	•	-		•	
	7	W.T.:	de afabre fellower 1					
	7.	אנת אא	th of the following drug	g-drug interactions i	is the LEAST lif			
		Α. ΄	Monoamine oxidase ir	hibitors – phenylpr	onanolamines	A	- avoid	,
		B	MAO inhibitors - Mej		оранованиез		3-very life threatening	1
_	((C./	Opioids - Salicylates			(2-	
		1 5.	Cisapride - Erythromy	ycin		() ~ · ·	
	•					,		
	8.	Whi in a	ch of the following drug	gs is most likely to	accelerate gastric	emptying		
		111 a	patient with gastropares	sis following surger				1/2 / 1/2 /
		A.	Sucralfate		-prokinetic	agent		b .
/		B.		2	•			£ 1
	_	Ç.	Omeprazole of the	1			į	r '3 '7
		A	Cimetidine +acarnet	•				10
	((E,	Metoclopramide				4)	1
	9.	All	of the following drugs v	will decrease the eff	ects of cortisone	EXCEPT	1	12/2/
		A	Estrogen		cimeti	dine out	ects every harm	
$\overline{}$		B .	Progesterone		Cont	list st	e pg. lo in	
(/		e	Thyroxine		Lox n	ine !	ecture	
	1	(D)	Cimetidine		Het	YM IV	,	
		Ĕ.	Phenytoin					
	10.	All	of the following statem	ents about antihista	_			
		ν Δ	Dinhanhudramina blo	oka U historiaa				
/		B.	Diphenhydramine blo Diphenhydramine is o	effective in treatmen	scepiors	d by a		
1)			food allergy	meen ve m neadhei	it of macs cause	u by a		
\cup		ب£	Cimetidine blocks H ₂	-histamine receptor	S			
	_	D.	Ranitidine is effective	in treatment of hea	artbum 🤈 🚓 🗝	<u>C</u> .		
	((E.,	Diphenhydramine has	s antiandrogenic eff	ects	_		
	,							
					,	دامیری	ti-cholinergic	
				أماما	du dramine	Ms an	Cholling	
				-dibrens	Ng St.			
				activity	y			
1								

•	ll. Anei	nia due to iron deficiency is typically	·
	A. B. C. D. E.	Megaloblastic Hemolytic Hypochromic Aplastic All of the above	
	12. All confectors of the infectors of t	Erythromycin Clindamycin Streptomycin Tetracycline Chloramphenicol	of systemic intramuscular injection
	13. <u>Sup</u> of <u>a</u>	erinfections are more likely to result from which of the followir	ng classes
	A. B C. D. E.	Narrow spectrum Broad spectrum Bactericidal Those given parenterally Those excreted through the kidney	
	14. All A. B.	of the following statements about penicillins are true EXCEPT Penicillin G is most active against gram negative bacteria Autolytic enzymes may be involved in the antibiotic effect of Benzathine penicillin G is a repository or storage form	f penicillins
ţ	D. E.	Penicillins are excreted unchanged in the urine Penicillin allergy is the main adverse effect of penicillins	-gram positive
	15. Iso: A. B. C. D. E.	Interfering with pyridoxine-dependent reactions Interfering with bacterial cell-wall synthesis Inhibiting DNA-dependent RNA polymerase Altering membrane permeability	echanisms?
	E.	Inhibiting 30S ribosome function	•

		ra is
		200
ť	16. A drug with elimination half-life of 20 hours will the patient in A. 10 hrs B. 20 hrs C. 40 hrs D. 60 hrs E. 90 hrs 17. In cancer chemotherapy, a great advantage of surgestime.	- multiply by 4.5 to get half-life elimination time
C	A. Change the interval between chemotherapeu B. Eliminate the need for intensive chemothera C. Reduce tumor cell number thereby facilitatin D. Modulate the number of cycling versus non- chemotherapy E. Inhibit DNA repair to potentiate DNA dama	ng the log-kill hypothesis -cycling cells during
A	A. Blocks parasympathetic (vagal) outflow B. Increases cardiac automaticity Prolongs the P-R interval of the electrocard D. Often causes nausea E. Increases the cardiac output in the patient w	ogram with congestive heart failure
<i>D</i>	A. Inhibition of thymidylate synthase 5 FC B. Reduction of dihydrofolate reductase W C. Binding to microtubules Induction of DNA damage E. Inhibition of P-glycoprotein synthesis	- DNA damagers
	20. 5-Fluorouracil, through a covalent interaction, in enzyme?	hibits the activity of which
В	A. DNA polymerase Thymidylate synthase C. Hypoxanthine-guanine phosphoribosyl tran D. DNA ligase E. Ribonucleotide reductase	hibits the activity of which _ major site is thy midylate aynthase asferase

•	21. All con	of the following condition sumption EXCEPT :	s have been attributed to	excessive alcohol	
	A. B. C. D.	Cirrhosis of the liver Korsakoff's psychosis Fetal alcohol syndrome Congestive heart failure Coronary artery disease	SE		
	22. D- 7	Subocurarine acts at the ne	uromuscular junction by	- yever	sed lasts 45-60min sible-anticholinestoras
, ·	A. B. C. D. E.	Releasing excessive ame Preventing glycine release Binding reversibly to the Binding irreversibly to the Blocking acetylcholine	se e nicotinic receptor with a he nicotinic receptor		
	23. Par	kinsonism is best treated b	у		4.4
	A. B. C. D. E.	Increasing acetylcholine location department of the location department of	vels in the central nervous carboxylase activity in the ine and increasing acetylo	s system e plasma	SE
•	24. Wi	nich barbiturate has the mollowing a single hypnotic d	OSP')		
,	A. B. C. D. E.	Pentobarbital Secobarbital Phenobarbital Mephobarbital Thiopental	-meth oherital < 6 seco barbi ta	C thiopental C amoloay bital	centobarbital <pre>cphenobarbital</pre>
	cor	maturity of a number of plarmacokinetic characteristic npared to an adult. Immated to reduce the half-life of Glomerular filtration rangement active secretion of Renal passive reabsorpt Hepatic drug metabolistic Bile secretion	cs of drugs administered urity of which of the follo a drug in an infant compate facids and bases ion of drugs	to a newborn infar owing factors would ared to that in an a - lower glow - more body - the Gastric p - y plesma p - aland brairba	ld dult? nevular filtration vate auter H nutein concentration wher more permiable metabolism
,					

26. Whe	n administarina danas to aldeele	
com	plicating factors EXCEPT:	y patients, all of the following are
Α.	Poor nutrition	0-
B.	Polypharmacy	SE
C.		concentration of plasma proteins
$\sqrt{\Omega}$	An age-related increase in sali	vary secretion
E.	An age-related decrease of ren	nal blood flow
27. A w	akly-acidic drug enters the uri	ne by glomerular filtration and active transport
ın tn	e proximal tubule, and can be r	eabsorbed by passive diffusion. If the nH of
the t	ubular fluid is altered from pH	6 to pH 4 by administration of ammonium
chio	nde, how would you expect the	renal clearance of the drug to be affected?
		- to Clear faster, give Px a base
Α.	Increased	·
B.	Unchanged	State.
(C.)	Decreased	<i>75</i>
28. Stim	constriction?	ng receptors is associated with mydriasis and - also smooth muscle contraction - glycogenolysis
(A)	Alpha-1 adrenergic	- also smooth muscle contraction
B.	Beta-1 adrenergic	- glycogenolysis
C.	Beta-2 adrenergic	
D.	Muscarinic	
E.	Dopaminergic	
29. All	of the following statements abo	out pilocarpine are true EXCEPT:
A	Acts by stimulating muscaring	ic receptors - used to treat kerustuma
(B.)	Causes xerostomia	ic receptors
C.	Reduces intraocular pressure	in nations with alaucoma
D.	May cause abdominal crampi	no and diarrhea
E.	Causes miosis and blurring of	- -
	eeeeee.s and e.amg 01	(131011
30. Wh	ich of the following drugs is mo	ost useful as a mouthwash for treatment of
a ca	ndidal infection of the mouth?	
A.	Acyclovir	
B.	Tolnaftate	n
	Nystatin	Dutt!
TY.	Terbinafine	
F.	Zidovudine	
L.	5190 A BOILIO	

· · · · · · · · · · · · · · · · · · ·
31. Which of the following drugs is most likely to produce renal impairment?
A Amphotericin B B. Flucytosine
A Amphotericin B B. Flucytosine
C. Ferbinafine D. Miconazole
2. 1.11001112014
E. Griseofulvin
32. A neuraminidase inhibitor effective in reducing the duration of symptoms from
influenza A and B:
A. Amantadine B. Zanamivir
A. Amantadine B. Zanamivir
C. Acyclovii
D. Trifluridine
E. Lamivudine
33. All of the following statements about zidovudine are true EXCEPT: A. Useful in the treatment of HIV B. Is a reverse transcriptase inhibitor C. Is combined with lamivudine for an enhanced effect D. Suppresses the bone marrow, producing anemia Is combined with interferon for treatment of Hepatitis B 34. While the following statements about zidovudine are true EXCEPT: SE- know thuse 4 things! - hamivudine is HBV
34. Which of the following statements best describes the mechanism of action of acyclovir?
Metabolized to its triphosphate to inhibit herpes DNA polymerase - offective against
Metabolized to its triphosphate to inhibit herpes DNA polymerase Loster
B. Reduces the adsorption and uncoating of influenza A - occident inhibit
B. Reduces the adsorption and uncoating of influenza A ls a reverse transcriptase inhibitor D. Is a protease inhibitor D. Is a protease inhibitor
D. Is a protease inhibitor
E. Enhances phosphorylation of elongation initiation factor
35. Effective therapy for chronic treatment of hepatitis C:
A. Amantadine B. Zidovudine + Lamivudine - Broad spectrum (Ribavinia) D NA (herpes) & RNA(flux) Virus
B. Zidovudine + Lamivudine (herpes) 対 RNA(flu 4記B) virus
C. Nelfinavir
D Interferon + Ribavirin = [25]
E. Zanamivir + Oseltamir

	36. All of the following are true about propylthiou	racil EXCEPT:
,	A. Useful in the treatment of hyperthyroidis lnhibits production of thyroid hormones	thyroic -delayed onset 3-4 wks
	Causes gastrointestinal upset and skin re	actions
	Crosses the placenta and can be found in	breast milk
	E Has an immediate (within 24 hours) ons	et of therapeutic effectiveness
	37. All of the following are true about levothyrox	ine EXCEPT:
	A Causes hypoglycemia 74	-clevates plasma jucose levels
\	B. High doses can produce tachycardia	elevates dasma alucose
<i>f</i>	C. Has a thermogenic effect	- Elevates plans of
	D. Increases basal metabolic rate	(8 vel 3
	ls the preferred treatment of primary hy	oothyroidism
	38. Useful in the treatment of hypercalcemia of m	alignancy and Paget's Disease:
	A. Pamidronate TCat-	- A hichacohanate
^		- A bisphasphanate - others: etidronate pamidronate alendronate
4	B. Parathyroid hormone C. Estradiol	a pamidronate
t	D. Levothyroxine	alendronate
	E. Glipizide	16 and ronate 2018 dronic acid
	39. Which of the following best describes the me	chanism of action of Vitamin D?
	A. Binds to a tyrosine kinase-linked recept	
•	B. Binds to a nuclear receptor to enhance g	
	Binds to the chloride ionophore	che expression JC
	D. Binds to a G-protein-linked receptor	
•	E. Enhances sodium influx	
	40. Which of the following drugs reduces calcium tract; chronic use as an immunosuppressant a	n absorption from the gastrointestinal
	aseptic necrosis of the hin?	
•	A. Ethinyl estradiol	-reduces Ca2+ absorption -treats hyporcal cemin -leads to osteo porosis in aseptic necrosis of the hip -gluco corticoid -anti-infemmatory
ı	B Prednisone	- tratt hyporcal cemin
7	C. Calcitriol	Mento with a service of
•	D. Parathyroid hormone	- leads to ostes porosis "
	E. Tolbutamide	aseptic necrosis of the vip
		- quico cor ti cold
		and information
		- NALLY IN T

B

	41. All of the following are true about	nt insulin EXCEPT:
É	Stimulates a tyrosine kinase B. Overdose produces hypogly C. Secretion is stimulated by g D. Its action is enhanced by co	vemia SC Ripizide
	42. Most useful for intravenous admi	inistration in the treatment of emergency diabetic
	coma:	rea- 15 min onset
Д	A. Regular insulin B. NPH insulin C. Ultralente insulin D. Glyburide E. Acarbose	reg- 15 min onset 1971 - onset 1-2 hrs gyburide - Type II avarbose Type II
	43. Which of the following drugs is by altering potassium efflux, thu	useful in the treatment of Type 2 diabetes mellitus s stimulating insulin secretion?
B	A. Rosiglitazone B. Glyburide C. Metformin D. Acarbose E. Methimazole	s stimulating insulin secretion? 9-1 transcription of insulin-response gends confinement 6-sulfonylureas-Potacsium efflux C-V glucose production 1 insulin uptate 0-inhibits a-glucosiolase E-7
	44. All of the following statements a	about ethinyl estradiol are true EXCEPT:
)	Binds to a nuclear receptor Be Increases the risk of venous Increases high density lipo Causes osteoporosis E. Combined with a progesting	is thromboemboli
	45. A nonsteroidal competitive estre	ogen receptor blocker effective in the treatment of
	A. Mestranol B. Fluoxymesterone C. Danazol D. Tamoxifen E. Mestranol	-estrogen dependant breast concer

	46. A	gent which inhibits the formation of gamma-carboxyglutamate residues in pagulation factors:
E	Α	- within k can slowly reverse
	47. T	he chief disadvantage of nitrous oxide as a general anesthetic is:
? /	(_B C -Æ	Prolonged recovery time due to retention in fat Poor analgesic Low potency (high MAC) Slow induction Excessive relaxation of skeletal muscles
	48. T	The rate of induction with inhalational general anesthetics is most closely related to:
	A A	Blood solubility Lipid solubility Water solubility Chemical stability Boiling point
	49. \ I	Which of the following is the mechanism of action for the antihyperlipidemic drug, pravastatin?
)	ب س.	A. Inhibition of cholesterol endocytosis B. Activation of cholesterol endocytosis Inhibition of lipoprotein lipase Inhibition of HMG-CoA reductase E. Binding to bile acids in the gastrointestinal tract
	50.	Which of the following drugs can cause gingival hyperplasia?
ノ		A. Lidocaine B. Bretylium C. Quinidine D. Amiodarone E. Phenytoin - effective except for absence Seizum

•	51.	Subs	equent to a dental procedure, an eight-	year-old patient was instructed to use	•
		daily	for seven days. The total amount of t	n a glass of water as an oral rinse once	
		A.	15 mL 5 mL 35 mL 70 mL	teaspoon = 5mL tablespoon = 15mL	
	((\mathbf{B})	35 mL	fablespoon = 15mL	
,		C.			
		D.	105 mL		
		E.	240 mL		
	52.	Acti	ons of xanthines include all of the foll	owing EXCEPT:	
		_A.	Central nervous system stimulation		
		_B.		SE	
•		C.	•	90	
		_D-	Diuresis		
	(E	Decrease in cerebral vascular resista	nce	
	62	1177			
	53.			test degree of beta-2 adrenergic receptor	
			ctivity, is an effective bronchodilator, e cardiac stimulation?		
		1100	e Cardiac Stiffmation 2.	unce SE	
		A.	Zileuton		
			Albuterol	CE	
		(B) C.	Phenylephrine	36	
		D.	Beclomethasone		
		E.	Aminophylline		
			• •		
	54.		erapy with this drug may result in the d	levelopment of hypokalemia,	91
		hyp	perglycemia, hyperuricemia and hyperu	ealcemia: JK 7g4	, / :
		A.	Triamterene	71	
		B.	Bumetanide	SE /C	a
		C.	Theophylline	<i>(</i>	
		D.	Ethacrynic acid		
	•	(E)	Hydrochlorothiazide		
		•			
	55	. Мо	ost effective antidiarrheal action:	451	
		(. A).	Loperamide	- opposed receptors in 6.Itm	act
		B.	Lactulose	- operation i	
		C.	Cascara sagrada		
		D.	Kaopectate		
		E.	Bismuth subcarbonate		

•	56. All of the following are true about caries EXCEPT :
Ą	Cavitation exists only in the presence of poor nutrition B. Fluoridation of drinking water to concentrations higher than two parts per million may cause enamel fluorosis Watery diets seem to cause negligible caries There is a direct correlation between fluoride concentration in drinking water and anticaries protection As little as 1 part per million of fluoride in drinking water leads to anticaries protection
	57. Attributes of nitroglycerin include all of the following EXCEPT: -decrease Oz con sumption
	A- Headache
D	B. Dilation of arteries C. Tachycardia D. Increase in oxygen consumption E. Sublingual effectiveness
	58. All of the following characterize alcohols EXCEPT :
A	A Effective against viruses, spores and fungi B. Widely used local anti-infectives C. Highly volatile Denature protein E. Bactericidal
	59. Methylated derivatives of phenol include all of the following EXCEPT:
A	Hexachlorophene B. Guaiacol C. Cresol D. Lysol E. Eugenol
	60. Mechanisms of action of local anti-infectives may include:
D	A. Osmotic disruption of the cell B. Interference with a metabolic process C. Denaturation of cellular protein D. All of the above E. None of the above

• 61.	Whie agon	ich of the following drugs is a cernist, producing dry mouth, drows	ntrally acting alpha-2/adrenoceptor iness and bradycardia?
(<u>C</u>	Mirtazapine Terbutaline Clonidine Prazosin Guanethidine	SE
62.		ich of the following drugs is usef se bronchoconstriction?	ful in the treatment of hypertension, but may
	C. D.	Albuterol Propranolol Phentolamine Amphetamine Prazosin	- Slows AV conduction - bronchoconstriction - hypoglycemia
63.	Dia	izepam is suitable for all of the fo	ollowing indications EXCEPT :
•	-	Status epilepticus Obsessive-compulsive disorde Preoperative medication Generalized anxiety disorder Acute alcohol withdrawal	- Paris for OCO
64.	A s	selective serotonin reuptake inhib	
	_В. С. (Д.	Thioridazine Tranylcypromine Oxazepam Paroxetine Ephedrine	-Paroketine is Pakil & is used as an anti-depressant
65. Which of the following antiepileptic drugs may be used for absence seizures when ethosuximide is not satisfactory?			
	A. B. C. D. E.	Valproic acid	a second line defense.

66.	An ant	ihypertensive drug with both diuretic	and vasodilating	action is	
¢	B C C I D. I	lydralazine Clonidine Hydrochlorothiazide Reserpine Propranolol	SE		
67.		of the following compounds is <u>FDA</u> rms for <u>heroin addiction?</u>	approved as a the	erapy in m	aintenance
(B 1 C. 1 D.	Fentanyl Methadone Diazepam Oxycodone Dextropropoxyphene	- longes - does Sy	n't prondrame	e duce abstinance
68.	68. Adverse drug reactions have been reported to occur with which one of the following combination of agents?				
	B. C. D.	Morphine and propranolol Codeine and digoxin Oxycodone and tranylcypromine Fentanyl and warfarin Meperidine and isocarboxazid		SE	;;
69.	69. Drug-drug interactions can be produced by:				
	A. B. C. D. E.	Competition for the same receptor Blockage of the receptor Alteration of receptor properties Alteration of the number of receptors All of the above	37	E	
70. Drugs from which one of the following classes of antibiotics may require a supplement of Vitamin K to avoid blood clotting problems caused by the antibiotic?					
	A.B. C. D. E.	Fluoroquinolones Penicillins Aminoglycosides Cephalosporins Tetracyclines	-also t	neats	Klebsielh

	71. All of the following statements about antibiotics are true EXCEPT:
(C	A. Penicillins are active against bacteria that are dividing B. Rifampin reaches high concentrations in mammalian cells and is active against intracellular bacteria Tetracycline is effective in treating bone infections Non-fluorinated quinolones have little systemic activity E. Erythromycin is mainly active against gram-positive bacteria
	72. Which of the following antibiotics is associated with an interaction with theophylline that may give rise to seizures?
B	A. Amoxicillin B. Ciprofloxacin C. Vancomycin D. Clindamycin E. Tetracycline A. Amoxicillin - Quinolone fluovinated
	73. A patient with a tumor cell burden of 10 ¹⁰ cells is treated with cancer chemotherapeutic agents. According to the Skipper hypothesis, after the first treatment the number of tumor cells remaining is:
E	A. 0 B. 10^2 C. 10^4 D. 10^6 E. 10^8
	74. All of the following are involved in the mechanism of methotrexate as a cancer chemotherapeutic agent EXCEPT :
D	A. Exhibition of chronic toxicity B. Binding to dihydrofolate reductase C. It is not metabolized by salvage pathways Affects spindle formation E. Inhibition of dTMP synthesis
	75. All of the following statements concerning vinblastine are true EXCEPT :
A	A. It is an antimetabolite It affects spindle formation It is a cell cycle specific drug It is an alkaloid E. It blocks cells during mitosis
	Spire

76.	What giver	t is the most reliable means of determining the appropriate dose of a drug to be to a child of 1-2 years of age?
	-	Ratio of body surface area to that of an "average" adult Ratio of total body weight to that of an "average" adult From tables of children's dosages
	A.	Ratio of body surface area to that of an "average" adult
0	B.	Ratio of total body weight to that of an "average" adult instruction"
(C.	From tables of children's dosages
	D.	Ratio of body weight, corrected for fat content, to that of an "average" adult
	E.	Ratio of body surface area to that of a ten-years old child
	~.	reasons of body burrace area to that of a ten-years old child
77.	Allo	of the following statements about local anesthetics are true EXCEPT:
	Α.	In general, among all types of nerve fibers. A-delta and C fibers are most
		sensitive to the action of local anesthetics
	В.	Mepivacaine is metabolized by liver microsomal enzymes
	C	Benzocaine can only be used topically
	(D.)	The purpose of including epinephrine in preparations of local anesthetics
		is to decrease renal excretion of the drugs
	E.	Seizures induced by local anesthetics can be treated with diazepam
78.	. Whe	en a drug is taken enterally, the most important factor in determining where
	in th	be gastrointestinal tract most of it will be absorbed by passive diffusion is which
	of th	ne following?
	A.	pKa of the drug
	B.	Total surface area of the various regions of the gut
	-C.	pH of the gut contents
	D.	Whether it is a weak acid or weak base
	(E.	Gastric emptying time
		realizable and a large of military and military and an include the second of the secon
79	. The	rapeutic uses of atropine and related drugs include all of the following
	EXC	CEPT:
		dry
	A.	To dry salivary secretions
	B.	To prevent bronchospasm and laryngospasm In the treatment of motion sickness
	2	in the deddhell of inotion sickness
e.	(D)	In the treatment of tachyarrhythmias
	E.	To reduce gastrointestinal spasm
		* I'll film a low on the content will be a second to the content of the content o
80	. Whi	ich of the following best describes the mechanism of action of fluconazole?
		and the second of the fire than sin of action of flucoliazoie?
	A.	Binds to ergosterol in fungal cell membranes
	В.	Binds to tubulin to disrupt spindle formation in cell division
	C.	Metabolized to its triphosphate form to inhibit viral DNA polymerase
	D.	Inhibits thymidylate synthetase
	F	Inhibits ergosterol synthesis
		The state of symmetry
		Inhibits ergosterol synthesis Zole's - do engosterol

E

81.	Useful by oral administration in the treatment of onychomycosis (toe nail fungal
	infection):
	infection): - also der mato phytoses A. Natamycin B. Trifluridine C. Tolnaftate D. Itraconazole - ter butzline for onychomylasis
	A. Natamycin
	B.) Trifluridine
	E. Tolnafiate Les butant Line for onychomylasis
	D. Itraconazole —terbutzine
	E. Amphotericin B
	E. Amphotericin B
92	Mast weeful appet for the treatment of a system application.
8 2.	Most useful agent for the treatment of a cytomegalovirus infection:
	A. Trifluridine - more potent vs CMV B. Amantadine
	A. Trisluridine - more potent 15-7
	b. I amanagement
	C. Ganciclovir D. Nelfinavir
	E. Ribavirin
	TU
83.	Which of the following best describes the mechanism of levothyroxine?
	A. Binds to a cell membrane receptor to enhance sodium influx
	B. Binds to a G-protein-linked receptor to increase adenylyl cyclase
	Binds to a nuclear receptor to enhance gene expression
•	D. Binds to a tyrosine kinase-linked receptor
	E. Binds to a G-protein-linked receptor to reduce adenylyl cyclase
84	Most effective drug in the treatment of thyroid cancer:
	A. Methimazole — totally destroys thyroid but not adjacent tiesue
	B. Propranolol adjacent tiesue
	C. Potassium iodide
	Radioactive iodide (1-131)
	E. Liothyronine
85	. Endogenous hormone useful in the treatment of Paget's disease, hypercalcemia
0.5	
	- Ca
	A. Calcitonin - Yours' down exlaim
	B. Prednisone
	C. Vitamin D (alciry of
	D. Parathyroid hormone
	lnsulin
	A. Hisuili

86. Which of Typ	of the following drugs is best for once daily administration in the treatment oe I diabetes mellitus?
B. 1 C. D	Glyburide Repaglinide Lispro insulin NPH insulin Metformin
87. A par secret	
(B.) C. D.	Misepristone Clomiphene Levonorgestrel Flutamide Mestranol Misepristone - can lause multiple pregnancies
88. Which	ch of the following drugs suppresses gonadotropin release and is therefore all in the treatment of prostate cancer?
B. C. D. E.	Leuprolide Flutamide Clomiphene Nandrolone Levonorgestrel
	ch of the following is the major mechanism coupling the receptor to agonist endent activation of cells?
B. C. D. E.	Phosphorylation of serine, threonine, or tyrosine residues ADP ribosylation Gamma carboxylation of glutamate residues Phosphorylation of glutamate or aspartate residues Carboxylation of serine, threonine or tyrosine residues

90. Which	of the following regarding caries activity is true?	• •
C. D. Tis	t a pH higher than 7.5, enamel begins to demineralize here is an indirect correlation between consumption of refined urbohydrates and caries activity isaccharides lead to the formation of caries which are less active than the case with monosaccharides here is a direct correlation between consumption of refined carbohydrated caries activity here is no correlation between consumption of refined carbohydraes and arries activity	
91. All of t	he following statements about prevention of dental caries are true EXC	EPT:
B. F. C. O. C. C. If	opical application of a 2% solution of chlorhexidine inhibits growth of uman dental plaque luoride has a wide margin of safety esteosclerosis of the pelvis may be caused by drinking water with high oncentrations of fluoride (18ppm) antimicrobials are used, it would be better to use combinations so as to ninimize the development of resistance antimicrobials are used, they should be those which are readily absorb from the gastrointestinal tract	
EXCE A: 10 B: 11 C: 00 D: 00	the compounds are correctly matched with their accompanying characted PT: Coc Coc Odd Coc	eristic gased jodine

Questions 93 thru 96: Match-type

For each of the numbered statements, select the single most appropriate lettered drug. You may use each letter once, or not at all.

- _A. Methicillin
- B. Clavulanic acid
 - C. Nalidixic acid
- D. Isoniazid
 - E. Minocycline
- R 93. Drug with no antibiotic activity, but inhibits beta-lactamases
- 94. Drug with no systemic antibiotic activity, but acts as a urinary antiseptic
 - + 95. Beta-lactamase resistant penicillin
 - 96. Antibiotic used in combination therapy for tuberculosis

Questions 97 thru 100: Match-type

For each of the numbered statements, select the single most appropriate lettered drug. You may use each letter once, or not at all.

- A. Azathioprine
- B: FK506
 - C. Muronab
 - D. Interferon alpha
 - E BCG
- 97. Cytokine approved for treatment of hairy cell leukemia
- F 98. Adjuvant that stimulates the immune system; used in treatment of bladder cancer
- \mathcal{R} \mathcal{A} 99. Substance that inhibits Interleukin-2 production by T cells
- 100. Antimetabolite prodrug that is metabolized to its active form

END OF EXAM