

· •

Wednesday, April 12, 2006

You have two (2) hours and 30 minutes to complete this examination. The examination contains 100 questions, each worth 2 points.

Answer all questions on the computer sheet provided; use a soft lead pencil. Be sure that you have correctly identified your answer sheet by PRINTING your name and TUid number and correctly filling in the grid spaces. You may keep your exam booklet. Answers and grades will be posted on Blackboard.

This examination is being administered under the Honor Code of Temple University Dental School.

Questions 1 – 97: Select the single, most appropriate answer.

/1.	Whie failu	ch of the following drugs would be most useful in treating anemia resulting from renal re?
	(A.) B. C.	Erythropoietin Folic acid Iron
	D. E.	Vitamin B6 Vitamin B12
~2.	Whi drug	ch of the following antibiotics is associated with enhanced metabolism of estrogen and others?
	Bi. C.	Amoxicillin Chloramphenicol Clindamycin
	D E.	Rifampin Tetracycline
/ 3.		ch of the following drugs can be used to treat antibiotic-associated enterocolitis (bloody hea) caused by Clostridium difficile?
	A. B. C. D.	Clindamycin Erythromycin Sulfamethoxazole Tetracycline Vancomycin
<i>1</i> 4.	Whi	ch of the following classes of antibiotics would be most useful in treating a Klebsiella ction, which accounts for about 4% of dental infections?
	A. B. D. E.	An aminoglycoside A broad spectrum penicillin A cephalosporin A fluoroquinolone A tetracycline
√5.	Whi	ch of the following classes of antibiotics would be most useful orally in the treatment of a n-negative bone infection?
	A. B. C	An aminoglycoside A broad spectrum penicillin A cephalosporin A fluoroquinolone
	Ē.	A tetracycline

6.	Superinfections are most likely to result from which of the following classes of antibiotics?
Small Char	A. Bactericidal
	B. Broad spectrum
A STATE OF THE STA	C. Narrow spectrum
	D. Those given parenterally
	E. Those excreted through the kidney
	Drugs from which of the following classes of antibiotics may require a supplement of vitamin K
	to avoid blood clotting problems caused by the antibiotic?
LY THE TANK	to avoid blood dicting problems educed by the anticione.
	A. Aminoglycosides
and a second	B. Cephalosporins "
A STATE OF THE STA	C. Fluoroquinolones
n. Admin	D. Penicillins
	E. Tetracyclines
1 1	
78.	Which of the following drugs is not an antibiotic but is used to enhance the activity of certain
	antibiotics (e.g., amoxicillin)?
	A. Clavulanic acid
. (B. Bacitracin
	C. Imipenem
	D. Nalidixic acid
	E. Trimethoprim
Wilder	
· '9.	An asthma patient, who regularly takes theophylline, contracts traveler's diarrhea while on
	vacation. He is treated with an antibiotic and develops seizures. Which of the following drugs is
	most likely implicated?
4	A. Chloramphenicol
(B. Ciprofloxacin
	C. Clindamycin
	D. Dicloxacillin
	E. Sulfamethoxazole
/10.	Which of the following drugs is most likely to induce pupillary dilation and paralysis of
710.	accommodation?
	A. Pilocarpine
	B. Physostigmine
	C. Atropine
	D. Phenylephrine
	E. Propranolol
	•
1	

⁄ _{11.}	Whi	ich of the following statements best describes the mechanism of action	of barbi	turates?
	A. B. C. D. E.	Enhance the effects of GABA Block serotonin receptors Block sodium channels Reduce dopaminergic activity Block reuptake of norepinephrine and serotonin		
√ _{12.}	Sine	emet, a combination of levodopa and carbidopa, is used to treat parkinso ortant in this preparation because it	onism.	Carbidopa is
	A. B. C. D. E.	Releases stores of endogenous dopamine in the central nervous system. Inhibits the breakdown of levodopa to dopamine in the periphery Enhances the breakdown of levodopa to dopamine in the central nervous a dopamine receptor (D1) agonist. Is a peripheral dopamine receptor antagonist which reduces the nause accompanies levodopa treatment.	ous syst	1. 计数据程
13.	Eacl	h of the following drugs/toxins is correctly matched to its mechanism of	f action	EXCEPT:
(A. B. C. DE.	Botulinum toxin – prevents acetylcholine release Alpha-bungarotoxin – binds irreversibly to the nicotinic receptor Black widow spider toxin – releases excessive amounts of acetylcholi Tetanus toxin – stimulates glycine release Dantrolene – decreases calcium release from the sarcoplasmic reticulu	N. O. C. C.	
114.	Alco	ohol is metabolized at a rate that is	100	Zine e
(A. B. C) D. E.	Linearly related to blood alcohol concentration Logarithmically related to blood alcohol concentration Independent of the blood alcohol concentration Inversely related to blood alcohol concentration Exponentially related to blood alcohol concentration		
√ ₁₅ .	All	of the following are attributes of digoxin EXCEPT:		
	A. B. C. D. E.	Increases cardiac automaticity Shortens the PR-interval of the ECG Increases cardiac output Is used in the treatment of congestive heart failure Causes visual disturbances with higher doses		

	7.0		
	ng with elimination half life of 8 hrs will effectively be elim	inated (>95%) in w	hat time after
its ad	lministration?	40	
	4 has		A Fast Performance
В.	4 hrs 8 hrs	136	Please Print
C.	12 hrs	-32	
D.	24 hrs	40	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(E.)	36 hrs	March March	11 11 11 11 11
		April C	
7. Whi	ch of the following drugs is most likely to induce DNA dam	nage during cancer	
chen	notherapy?	- 100	145
		10745/1342771	
A.	Asparaginase		
. В.	Leuprolide		
	Cyclophosphamide		
D.	Aminoglutethimide	-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	er general
E.	Flutamide	the state of the s	
18. Whi	ch of the following toxic side effects is most associated wit	h the use of dovoru	hicin Airing
	cer chemotherapy?	ii the use of doxord	orein during
Carre	ber enemoticapy.		- 5 M. 10 M
Α.	-Endometriosis	- 42	
(B)	Cardiotoxicity		
C.	Hepatotoxicity	-112	98
D.	Impotence		
E.	Hyperglycemia	1	
/			Latert F
19. All	of the following statements about local anesthetics are true	EXCEPT:	and Bookers
	To inform the land of the land		TO THE TANK
A.	In infected tissues, local anesthetics tend to be more effect		
В. С.	Lidocaine depresses abnormal cardiac pacemaker activity Tetracaine and benzocaine are metabolized by plasma est		Sanon Sanon
D.	Local anesthetics act on the intracellular side of the sodiu		ce their effects
E.	Lidocaine causes vasodilation	an chamier to produ	
D.	Endounie daubes vascanation		
20. Wh	nich of the following classes of drugs is most likely to stimu	late salivary secreti	ons?
			4.1845
A.	Beta-adrenergic blocking drugs		Company to the
B.	Alpha-adrenergic agonists		
(C)	Muscarinic agonists		
D.	Dopaminergic blocking drugs		
E.	GABA agonists		

∕21. 1	A 40-year-old patient is being treated for onychomycosis with terbin monitor the patient for which of the following adverse reactions?	nafine. The physician will
	A. Renal failure B. Hepatotoxicity C. Tachycardia D. Constipation and urinary retention E. Orthostatic hypotension	
× 22.	Which of the following drugs is most associated with dose-depende	ent renal impairment?
·2. (A Amphotericin B B. Miconazole C. Flucytosine D. Amantadine E. Zidovudine	
23.	Which of the following drugs is most useful by the oral route for the candidiasis in an immunocompromised patient?	e treatment of oral or vaginal
(A. Acyclovir B. Indinavir C. Flucytosine D. Griseofulvin E. Fluconazole	emandra de la companya del companya del companya de la companya de
~24.	A 25-year-old man presents to his physician with multiple sympton physician prescribes zidovudine, lamivudine and nelfinavir. The padiagnosed with	ns. Following tests, his tient has most likely been
	A. Influenza A B. Herpes zoster C. Human immunodeficiency virus (HIV) D. Varicella zoster E. Hepatitis B	
~25.	Which of the following drugs is most useful in the treatment of respective hepatitis ??	piratory syncytial virus and
(A Ribavirin B. Indinavir C. Rimantadine D. Zanamivir E. Enfuvirtide	

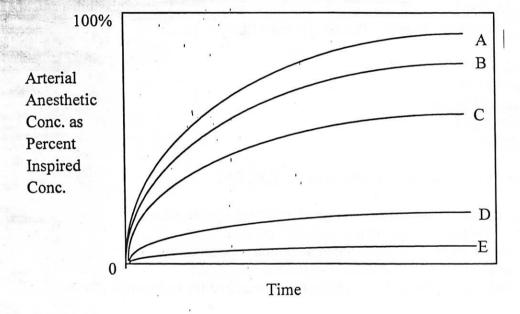
√26.		year-old boy is brought to the emergency room in a coma. I urinating excessively; tests reveal ketoacidosis. He is diagr		
1		most effective drug in treatment of his acute condition is	nosed with type-1 diabetic contain	
. (A B C.	Regular insulin Tolbutamide NPH insulin ance day dosing		
,	D. · E.	Glyburide Ultralente insulin	Carpidopaes	
/27.		ch of the following drugs stimulates insulin secretion, and is oglycemia?	s most likely to produce	
	n) pe	, , , , , , , , , , , , , , , , , , ,		
	<u>A.</u>	Metformin		
. (B.	Glipizide	OWNER	
	C.	Acarbose	•	
	D.	Rosiglitazone		
	E.	Hydrochlorothiazide		
/28.	incr	ich of the following drugs is a partial agonist at estrogen rece ease release of FSH and LH in order to induce follicular dev	eptors in the anterior pituitary to velopment and ovulation?	
	A. B.	Ethinyl estradiol Danazol		
	ъ. С	Mestranol		
		Clomiphene		
	E.	Nandrolene		
				,
29.	Wh	ich of the following is an androgen receptor antagonist used	in the treatment of prostate	
		cer?		
		¥		
	Α.	Raloxifene		
	B.	Megestrol		
		Flutamide		
	D.	Nandrolone		
	E.	Doxazosin	754 July 10 10	
∕30.	Ac	competitive estrogen receptor blocker in breast tissue useful	in the treatment of breast cancer:	
	Α.	Leuprolide	The Charles	
	В.	Sildenafil		
	(C.)	Tamoxifen		
	D.	Levonorgestrel		
	E.	Mifepristone		
	_,	as seem Proceedings		
			₩.	

31.	Chronic use of which of the following drugs is most likely to cause osteoporosis?	
3.	Lach of the control o	
10.	A Teriparatide	
	B. Calcitriol	
	C: Alendronate	
	D Prednisone E. Fluoride	
AL AN	E. Pluolide	
45	Which of the following drugs acts on an intracellular receptor to enhance gene expression and	a
4	protein synthesis?	J.
	Parathyroid hormone (AMP	
赞.(Calcitonin	
1	C. Calcitriol `	
	D. Etidronate	
	E. Justin	
33.	Which of the following drugs/hormones increases deposition of calcium in bone, and increase	es
	excretion of calcium and phosphate?	
5 5:	Calcitonin	
	B. —Parathyroid hormone	
• .	C. Vitamin D	
٠.	D. Teriparatide	
	E. Calcitriol V, +'	
34.	A patient chronically taking an overdose of levothyroxine is most likely to exhibit which	
	symptom?	
	A.) Tachycardia B. Weight gain	
	C. Fatigue	
	D. Hypoglycemia	
	E. Hypothermia	
35.	Which of the following drugs is used as an adjunct in treatment of hyperthyroidism because i	t
	reduces the symptoms of the disease?	
	A 411 . 1 .	
	A. Albuterol	
	B. Epinephrine	•
	C. Danazol D Propranolol	
	D Propranolol E. Calcitonin	
	D. Calcioniii	

- 36. A 30-year-old patient is prescribed propylthiouracil for treatment of hyperthyroidism. Adverse reactions include
 - A. Tachycardia
 - B Maculopapular rash, and 'rarely agranulocytosis
 - C. Weight loss
 - D. Hyperglycemia and symptoms of diabetes
 - E. Hepatotoxicity

37.

AGENT	Blood/Gas Partition Coefficient	MAC
Q	0.3	97
	0.6	3
S	13	0.7
T	1.5	5
Ü	10	15



Each curve represents one of the volatile general anesthetics Q-U in the table above. Which curve represents the rate of induction for anesthetic R?



Curve A

Curve B Curve C

8

Curve D

Curve E

1				
J_{38} .	Drug	s based on which vitamin are most useful for the treatment of acne	?	A Children Chil
	5	A THE DESIGNATION OF THE PROPERTY OF THE PROPE		des because
	$(A^{:})$	Vitamin A	2-504	177
i .	B.	Vitamin B		duminum
	C.	Vitamin C		
	D.	Vitamin D	r.luqaqoib)	H. Marie
,	A SY	Vitamin E		
(X	Vitalinii E	dia ha	2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
/39.	Whi	ah of the following melacular directly releases coloium from intrace	llular stars	The second
739.		ch of the following molecules directly releases calcium from intrace plasm when activated?	— store	
	cytor	plasm when activated?	10012 (COLD)	epression
		Museukinia nasantan		
•	Α.	Muscarinic receptor		A ALL
	B	Gaq '		· · · · · · · · · · · · · · · · · · ·
	٧	The inositol 1,4,5P ₃ (IP ₃) receptor		ATTROPPED A
	. D.	The nitric oxide receptor		· 1000年6月
	. Е .	The nicotinic acetylcholine receptor		
/				
√ 40 .		rug has the following actions: 1) decreases automaticity of the SA n		
		duction rate in AV node but not in the atria or ventricles; 3) decrease		al
	cont	ractility; 4) dilates coronary arteries. The drug is most likely to be	a de la	11 11 11 11 11 11
	-			
	A.	β-adrenergic agonist	14.94	· 作情情的
((B.)	Calcium channel blocker		
	C.	Potassium channel blocker	1 1	200
. 19	D.	Sodiumechannel-blocker		MARKET CONT
	E.	Musearinic blocker		14 4 4
,				
·/41.	Each	h of the following is correctly paired with its action EXCEPT:		parameter
		, ,		
	A.	Morphine – decreases propulsive movement of intestinal smooth	muscle	100
	В.	Magnesium citrate – saline laxative; non-systemic antacid	asoio	
	C.	Lactulose – osmotic laxative; reduces blood ammonia concentrati	Off	12.74
	D.	Enterotoxigenic E. coli – a common cause of traveler's diarrhea	Oil	A. A.
	E	Mineral oil – hydrolysis subsequent to absorption is required for i	te lavative e	ffort
	9	witherar on – hydrorysis subsequent to absorption is required for t	is laxative e	illect
√42.	Wh	ich of the following drugs has the most effective entidierwheel estimate	- 0	
42.	VV 111	ich of the following drugs has the most effective antidiarrheal action	11.7	
		Plant of Charles in the section will be a section of the		
	Α.	Bismuth subcarbonate		
	B.	Cascara sagrada		Company of the compan
	ري	Loperamide		1.00
	D.	Kaopectate		- Arthur
	E.	Lactulose		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1

A lovating offert would show staring all after fall and a	I EVCEDT
43. A laxative effect would characterize all of the following	and the state of t
The state of the s	diabe tic com a, k
A. Magnesium hydroxide	
Aluminum hydroxide	
C. Mineral oil	
D. Cascara sagrada	
E. Castor oil	
√44. The mu opioid receptors in the gastrointestinal tract are all of the following drugs EXCEPT:	responsible for the antidiarrheal action of
an of the following drugs EACEF 1.	
A Dinhanavulata	LO LI COUCOVA
A. Diphenoxylate	
B. Morphine	
C. Loperamide	
D Codeine	3, 302
E Atropine	
45. Which of the following vitamins are fat soluble vitaming	5?
A. Cyanocobalamin and pantothenic acid	a milary sa
Ascorbic acid and folic acid	turnies and head are
C: Tocopherol and calciferol	
D. Niacin and riboflavin	105.7
2. Thum and Hooman	
46. All of the following statements about fluoride are true E	XCEPT:
A. Five parts per million fluoride concentration in dri	nking water gives more anticaries
protection than one part per million	
B. There is a direct relationship between fluoride con	centration in drinking water and the
occurrence of enamel fluorosis	
C. There is a direct relationship between fluoride con	centration in drinking water and
protection against caries	8
D. There is a direct relationship between fluoride con	
of development of hypocalcemia	echtation in drinking water and the risk
/_\	on of cories involves the formation of
more soluble fluorapatite, than the less soluble hy	uroxyapanie
AT WILL CALL CHE TO THE COMPANY OF T	1 10
47. Which of the following is LEAST characteristic of alco	onois?
A. Are highly volatile	and the second s
B. Are bactericidal	
C. Are effective antivirals	
D. Denature protein	
E. Are rapidly-acting	
<u> </u>	

	B.	Interference with a metabolic process Denaturation of cellular protein Osmotic disruption of the cell All of the above None of the above
49.	All o	of the following agents are correctly matched with their accompanying characteristics CEPT:
	A. B. C. E.	Hydrogen peroxide – weak antiseptic Parachlorophenol (1%) – root canal antiseptic Chlorhexidine – effective surgical scrub; a biguanide Iodophors – promote rapid elease of iodine Common soaps – weak surface-active agents
⁵ 50.	Base EXC	ed on the classification of controlled substances, all of the following statements are true
	A. B.	Schedule I drugs have the greatest potential for abuse Prescriptions for Schedule II drugs must be in the pharmacy before the preparation is dispensed
	C. D. E.	Prescriptions for Schedule II drugs may not be refilled Prescriptions for Schedule III drugs may be telephoned and dispensed, the prescription being subsequently forwarded to the pharmacy Prescriptions for Schedule IV drugs may be automatically refilled up to five times within six month period
51.	eme	ne process of a dental procedure your clinic patient experiences a cardiovascular ergency. You reach for an ampoule which is labeled "Epinephrine, 1:1000" and ninister 0.35 mL. How much epinephrine did you give?
	A. B. C. D. E.	0.0035 mg 0.035 mg 0.35 mg 3.5mg 35mg
/ _{52.}	hype	rapy with which class of drugs is most likely to result in the development of hypokalemia, erglycemia, hyperuricemia, and hypercalcemia; and with prolonged therapy, causes eases in the concentration of cholesterol and triglycerides?
	A. B. C. E.	A loop diuretic An osmotic diuretic A potassium sparer A thiazide diuretic A xanthine diuretic

12

Mechanisms of action of local anti-infectives include:

536. Eac	ch of the following diuretics is correctly matched with its proposed mechanism or site of ion EXCEPT:
A.B. B.C.D.	Spironolactone – competitive mineralocorticoid antagonism Furosemide – sodium-potassium-chloride cotransporter in ascending limb of Loop of Henle Hydrochlorothiazide – sodium-chloride cotransporter in early distal tubule. Ethacrynic acid – potassium-chloride cotransporter and chloride channel in descending limb of Loop of Henle Acetazolamide – carbonic anhydrase inhibition
543% Al	l of the following actions are characteristic of xanthines in humans EXCEPT:
B. e. D. E.	Stimulation of cardiac muscle
w	Thich drug has the greatest degree of beta-2 adrenergic receptor selectivity, is a bronchodilator ith less cardiac stimulation than non-selective beta-agonists, but may cause tremor with oral se?
A B C D E	C. Epinephrine
56. V	Which of the following drugs is used to treat an acute overdose of morphine?
I (I	A. Methadone B. Clonidine Naloxone D. Buprenorphine E. Atropine
√ 57.	Which of the following statements is true with regard to gamma hydroxybutyrate (GHB)?
	A. GHB has a high therapeutic index B. GHB is most often self-administered by the intravenous route The depressant effects of GHB are enhanced when taken with ethanol An overdose of GHB can be successfully treated with flumazenil E. GHB is an analog of amphetamine

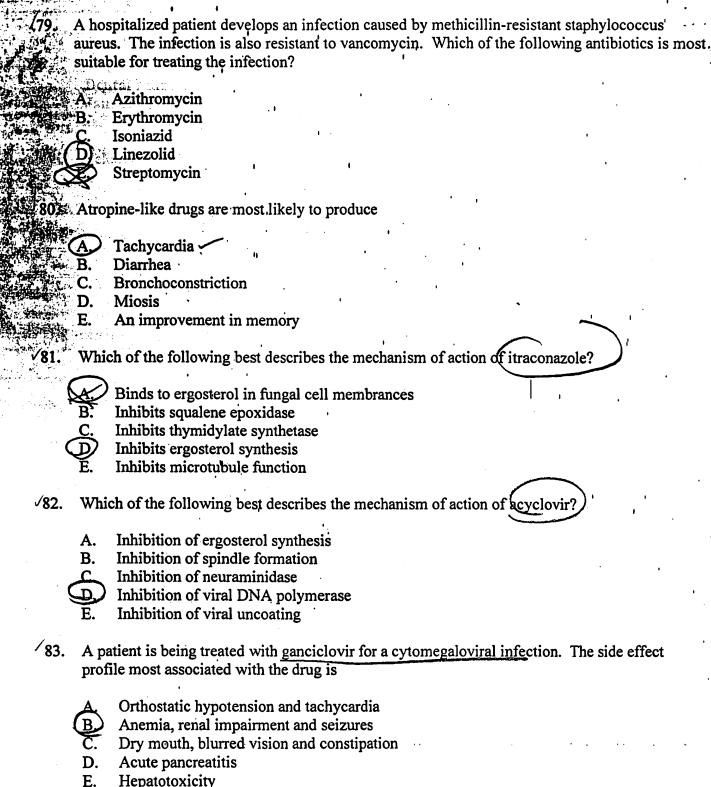
::

58.	The clinical condition known as scurvy is due to deficiency of which vitamin?	
	h and a second s	
	A. Vitamin A	3.00 mg 100 mg
	B. Vitamin B	
, (C Vitamin C	
	D. Vitamin D	
	E. Vitamin E	
150	A patient with a tumor cell burden of 10 ¹⁴ cells is treated with cancer chemothe	rony After the
√59. '	initial treatment, the number of tumor cells remaining is	rapy. Arter the
8.8	mittal treatment, the number of tumor cens remaining is	i get
	A. 10 ⁴	
3	B. 10 ⁶	1 AG 21
	$C = 10^8$	
	D 10 ¹⁰	A SHIP
	10^{12}	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
, .	The state of the s	
⁷ 60.	A patient suffering with breast cancer undergoes chemotherapeutic treatment.	The patient is
	given an infusion of a synthetic base which blocks DNA synthesis. No acute to	oxicity is
	observed but chronic use causes myelosuppression. The drug given to the patie	ent most likely is
		10 (10 20)
	A. Bleomycin	
	B. Paclitaxol	
	5-Fluorouracil	
, .,	D. Cisplatin	
	E. Daunomycin	The second second second second
⁷ 61.	Which of the following would be expected from treatment with methotrexate?	
	(A) 1 1 1 1 1 C 1 4 1 1 1	
	Inhibition of dihydrofolate reductase	a train
	B. Use of allopurinol as supportive therapy C. Inhibition of acute toxicity	4, 100
	D. Exhibition of dGMP synthesis	S. S
	E. Administration as a deoxynucleotide	and the second s
	E. Administration as a deoxyndereotide	STATE OF GREAT
J62.	Which of the following drugs would be most suitable for promoting motility in	cases of
. 02.	gastroparesis?	as at the same
	Company of the state of the sta	11.0°44.09.0
	Aluminum hydroxide	14,200
	(B.) Tegaserod	110000000000000000000000000000000000000
	C. Codeine ×	
	D. Cimetidine Hyblocker	
	E. Naproxen X	

1	- 14	The state of the s
63.	Many antacids are marketed as combinations of magnesium and aluminum hy	droxides because
.1 /		and the second
	A. The laxative effect of magnesium is counteracted by the constipating effect.	ect of aluminum
	B. Magnesium minimizes the absorption of aluminum	
	C. Aluminum hydroxide alone tastes very bad	
	D. The "acid rebound" induced by aluminum hydroxide can be minimized	
	E. Magnesium hydroxide alone neutralizes gastric acid too slowly	
	Cli di la companio de Chi	a a lan danaaddan o'
64.	Which of the following drugs is most useful in treating the manic phase of bi	potar depression
	when lithium is contraindicated?	
	A. Phenobarbital	
	B. Ethosuximide	Total State of
	C Sodium valproate	Company of the
	Fluoxetine	
	E. Amitriptyline	
1	TVCERT.	
65.	All of the following statements apply to phenylephrine EXCEPT:	
	A. Reverses hypotension during anesthesia	The Control of the Control of the Control
	B. Reduces secretions by directly inhibiting parasympathetic stimulation	1000
	C. Constricts small vessels in the nasal mucosa	h tru
	D. Is added to local anesthetic solutions —	
* ***	E. Is primarily a direct-acting alpha adrenergic receptor agonist	
1	Manual Continue transfer and for atotal anilantique:	
J 66.	Most effective treatment for status epilepticus:	
	A. Neurontin	
	B Lorazepam followed by fosphenytoin	and the
	Ethosuximide followed by propranolol & 17 wes	
	D. Phenobarbital followed by topiramate	tand * August Sa
	E. Lamotrigene	
	E. Lamourgene	tiga n e fasi
67.	Which of the following drugs is a centrally-acting alpha-2 adrenoceptor ago	onist, producing dry
- 07.	mouth, drowsiness and bradycardia?	ormation of
	mount, drowsmess and orday cardia.	
	A. Guanethidine	
	B. Mirtazapine	The same was
E. 98	C Prozecin	
	D. Terbutaline brene hodil	
	(E.) Clonidine	
68.	All of the following statements concerning buspirone are true EXCEPT :	
	A. Lacks sedative activity	
	B Is metabolized to nordiazepam	
	C. Is used in the management of generalized anxiety disorder	
	D. Acts as a partial agonist of the serotonin 5H7 ₁₄ receptor	
	E. Lacks muscle relaxant activity	
	and the second s	

69.	Withdrawal from heroin is characterized by all of the following abstinence signs EXCEPT : · ·
ive of	
A.	A. Urge to defecate
1	B. Gooseflesh
	C. Abdominal cramps
	D. Nausea and diarrhea
may Tr	E. Miosis
100	
.7 70. 9	Celecoxib (Celebrex) is available for the treatment of rheumatoid arthritis. This drug can exhibit severe adverse reactions, and must be used carefully. The desirable and undesirable properties of this drug include:
411	A. Is a highly selective COX-1 inhibitor
Marie T	B Is a potent inhibitor of platelet aggregation
100	
	Is associated with myocardial infarction, an adverse reaction which can be fatal Is a non-selective inhibitor of TNF production
	E. All of the above
W50	E. All of the above
⁷ 71.	Which of the following statements best describes a characteristic of cimetidine?
	A. Is a selective H-1 histamine receptor blocker
	B. Is highly sedative
	C. Causes dry mouth, blurred vision and urinary retention
	D Reduces heartburn
	D Reduces heartburn E. Stimulates androgen receptors
	2. Stimulates androgen receptors
₹72.	Cyclosporine is an effective immunosuppressive drug which can be used to prevent organ transplant rejection. The mechanism of action of this drug is its ability to
	A Inhibit colone dulin estivita subish leads to assessite CTNE
	A. Inhibit calmodulin activity which leads to suppression of TNF expression B. Inhibit cyclophilin function which leads to over-expression of TNF
	C. Bind to the IL-2-receptor and induce IL-1 expression (D.) Inhibit IL-2 expression
7.00%	E. Act as an antagonist for the IL-2 receptor
73.	A number of cytotoxic immunosuppressive drugs are employed for the prevention of organ graft rejection. Because of the toxicity of these drugs, it is essential to monitor the patient carefully for the development of adverse reactions. Which of the following statements best describes the characteristics of azathioprine?
***	(A.) Is an imidazolyl derivative of mercaptopurine, and functions as an antimetabolite
	B. Is a selective inhibitor of RNA synthesis, and is employed as an anti-cancer therapeutic
	C. Is activated by xanthine oxidase and selectively inhibits antibody responses
	D. Can be safely employed for the treatment of lupus in pregnant women because it does not
	pass through the plancenta
	Is a metabolite of penicillin, and works by trapping free radicals

74.	Cortic	costeroids are commonly employed anti-inflam	matory drugs.	Which of the following	
1 .	staten	ments correctly describes the characteristics of	inese drugs:		
(A. B C. D. E.	Act to inhibit TNF receptor expression Potential adverse reactions include cataracts, b Are not likely to inhibit the expression of pro- Are highly selective inhibitors of IL-2 receptor Are effective for treating inflammatory disease autoimmune disorders such as lupus erythema	inflammatory n r expression es, but are not e	nediators such as IL-1	
			r I	C C+ 19	400
/75.		ch of the following drugs is most likely to affect f exposure?	t the developm	ent of a fetus after only	a
				·	
	A. ,	Acetaminophen			•
	\mathfrak{P}	Folic acid			tali Kalikabi
•	· E.	Insulin,		The state of the s	MANUEL CO
	D.	Digoxin	,	e date	at is
32	En	Thalidomide		ovienvis	5 Mg (5 Mg)
				and most t	Terrana .
√76.	Whic	ch of the following antibiotic combinations is in	ndicated for tre	atment of Pneumocystis	
, 70.	cariv	nii pneumonia in AIDS patients?			April 1944
	curir	mi pheumoma m mee pareme.		100	10.0
		Devicillin + eminoglycoside			
	A.	Penicillin + aminoglycoside			1. 1014
0.75	В.	Penicillin + tetracycline	1		
	C.	Rifampin + erythromycin			AND STREET
9	D.	Rifampin + isoniazid			
' ((E.)	Trimethoprim + sulfamethoxazole		Tr. A	and the second
1	•			1 : EVOE	TOTO SERVICE
J ₇₇ .	All o	of the following antibiotics act through inhibiti-	on of bacterial	protein synthesis EXCE	PI
					distribution
	A.	Clindamycin			
	В.	Erythromycin ~			
	(Polymyxin			
	(A)	Streptomycin —			the same of the sa
	D.			1376	Control of the Control
	E.	Tetracycline _			
/	000		- aire a digulfir	om type reaction when	taken
√78.		nich of the following antibiotics is most likely to	give a disuini	ani-type reaction when	taken
	wit	th alcohol?			LE VO
				· ·	
	A	 Chloramphenicol 			
	B) CiprofloxacinG			
	7	Metronidazole			
	THE STATE OF THE S	Streptomycin			
	F.	Tetracycline			
	Ľ.	Totacycinic			



84.	Whic	h of the following best describes the mechanism of action of insuring
AL PROPERTY.	61	
A STATE OF THE PARTY OF		Increases adenylyl cyclase
		Inhibits adenylyl cyclase
militar 7	ري⊇	Stimulates a tyrosine kinase-linked receptor
717	D .``	Binds to a nuclear receptor to enhance gene expression
M.		Binds to an ion channel-linked receptor
85.	Take	n at the beginning of a meal, which drug acts to reduce absorption of glucose from the
	gastr	ointestinal tract?
以操作	(\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Acarbose
HAME!	ਜ	Chlorpropamide "
	*	Metformin
	₩.	Repaglinide
destination	E.	Rosiglitazone
I frank	D.	10016.11.2010
[∞] 86.	Estr	ogens produce all of the following side effects EXCEPT:
	A .	Thromboembolic disorders
	A. B.	Breast cancer
	Б. С.	Migraine headaches
	C.	Hyperglycemia
	兴	Osteoporosis
(<u> </u>	Osteoporosis
/87.	Use	of alendronate is most associated with which adverse reaction?
	3	Hepatotoxicity
		Gastrointestinal symptoms and esophagitis
,	D .	Hypertensive crises
	D.	Orthostatic hypotension and tachycardia
		Renal impairment
	E.	Renai impairment
/88.	Wh	nich of the following best describes the mechanism of action of levothyroxine?
	A.	Binds to a G-protein-linked receptor to increase cAMP
	B.	Binds to a G-protein-linked receptor to increase phospholipase C
	C.	Stimulates a tyrosine-kinase-linked/eceptor
,	_	Binds to an intracellular receptor to enhance gene expression
,	D.	Binds to a cation-linked channel
	E.	Dilius to a catton-linked eliginaer
1 89.	Th	e primary benefit to lowering the free cholesterol levels in liver cells in treatment of
	ny	perlipoproteinemias is that lowered liver cell cholesterol
		Results in a healthier liver with less chance of necrosis
	A.	
	(B.	Results in enhanced synthesis of LDL receptors
	Ţ,	Reduces bile excretion of cholesterol
	M.	Enhances bile excretion of cholesterol
	Ē.	Decreases the risk of pancreatitis

⁷ 90.		e evaluation of fluoride as an anticaries regimen, which of the following sice EAST likely to occur?	de effects would.
<i>'</i>	A.	Hypocalcemia	
	В.	Hyperreflexia	use range
. ((C.)	Tachycardia	The second second
	D.	Enamel fluorosis —	Addition to be a second as a
	E.	Diarrhea —	1.00
,			A 7,
/91. <u>!</u>	Eac	h of the following antiseptics/disinfectants is correctly matched with its ac	companying
	cha	racteristics EXCEPT:	
	. A.	Lysol – a 50% solution of cresol	
	(B.)	Guaiachol – analgesic action, active ingredient in oil of cloves	
	. C.	Alcohols – widely-used local anti-infectives	
	D.	Hexachlorophene – surgical scrub	
	E.	Eugenol – analgesic action	A COUNTY !
			1/1/4
J 92.	Co-	administration of which of the following drugs with morphine is most like	ly to lead to a
	w	orsening of respiratory depression?	owing server was
	6	The second secon	
	(A.)	Diazepam	The state of the s
		Propranolol	
	C.	Ibuprofen ·	
. 116	D.	Methylphenidate	
	E.	Naltrexone	, N. 42
/			
/93.		patient suffering with acute myelocytic leukemia undergoes chemotherapeu	
		ient is given continuous infusion of a nucleoside which inhibits DNA repli	cation. The drug
	giv	en to the patient is most likely	Late of the same
	A.	Mitomycin	AND THE STATE OF T
	В.	Vincristine	
	C	Cytarabine	4.5
	D.	Arsenic trioxide	
	E.	Busulfan	- + (p*
1			
/94.		cancer patient exhibits both acute and delayed toxicity during treatment. C	ytological analysis
	rev	reals cells blocked in mitosis. The drug given to the patient is most likely	The second secon
			·
	A.	Cytarabine	1.
	B.	-5 Fluorouraeil	
	C.	-6-Thioguanine-	
		Paclitaxel	
	E.	Allopurinol	

	Which of the following drugs aids ulcer healing by stimulating secretic	on of mucus by the gastric
1 .	mucosa?	A West Control
	277 - 271	
	A. Nizatidine	
·]	3. Omeprazole	. Greactions
	C. Sucralfate	
(<	D.) Misoprostol	
,	E. Bismuth subsalicylate	
	Which of the following agents is most likely to cause systemic alkalos	ris when used orally as an
96.		sis when used orang as an
	antacid?	retus anter Ornyse
	A Lunioum budrovido	***
	A. Aluminum hydroxide	
	B. Calcium carbonate	
· ·	C. Basic aluminum carbonate	
	D. Magnesium hydroxide	
	E.) Sodium bicarbonate	
\	All of the following statements apply to chlorpromazine EXCEPT:	
³ 97.	All of the following statements apply to emorphomazine EXCELT:	
	A. Increases the rate of secretion of prolactin	
		2.0
		and the state of the
(
* **	Blocks muscarinic receptorsE. Is a member of the phenothiazine class of antipsychotic agents	
	E. Is a member of the phenotinazine class of analysymetre agents	
Ones	tions 98 – 100	Contract of the second
Fore	ach of the numbered drugs, select the single most appropriate lettered	antidote to its toxicity.
Vou	may use each letter once, or not at all.	IXCLPE
100	may use odomiconer cares, as assessment	
	A. Naloxone	
	B. Ethanol	
	C. N-Acetylcysteine	and the second
	D. Calcium	"我们的"的"一个"。 "我们就是一个"我们"的"我们"。
	E. Atropine + pralidoxime	
98.	Acetaminophen	ien takei
		Control of the second
99.	Cholinesterase inhibitors	
	. 0	
100.	Methanol (
	1) 1	