Topic / Page No.

General Pharmacology 2

Endo 18

Steroids and Anticancer 20

Rest / Random



c) No Absorption

## CLASS TEST



### DEPARTMENT OF PHARMACOLOGY

### MBBS 3rd YEAR

(General Pharmacology)

MCQ's	
	Max Marks: 20
Time Allowed: 20min	
1. The process by which amount of drug in the body	is reduced after administration before
1. The process by which amount of drug in the body	
entering the systemic circulation is	First pass effect
a) Excretion	A) Matabolism
c) First order elimination	ace in phase 2 metabolism of a drug?
c) First order elimination  2. Which one of following types of reaction takes plants:	b) Hydrolysis
Conjugation	d) Desmination
c) Reduction  Which one of the following process is best suited	for permeation of very large protein
Which one of the following process is	
molecules into cells?  a) Aqueous Diffusion	b) Special Carrier Transport
a) Aqueous Directoris	d) Lipid Diffusion
4. A process by which a weak acid becomes less wa pH is:	ter soluble and more lipid soldies in the
4. A process by which a very	Thom whit Die
a)Distribution	b) Permeation
c) Flimination	Protonation Saled:
c) Elimination  5. The set of properties that characterize the effect	s of a drug on a body is called
alDistribution	n pharmacokinetics
Pharmacodynamics	fraction of ethanol and high doses of
6. The kinetics that are characteristics of the climi	nation of cumanor and
6. The kinetics of the phenytoin and aspirin are called:	b) First – pass effect
a)Distribution	Zero – order elimination
e) First - order elimination	w 100% bioavailability?
e) First - order elimination 7. Drugs administrated through which routes sho	Intravenous
a) Orai	d) Topical
c) Subcutaneous	s:
c) Subcutaneous  3. A drug which is lipid soluble and unionized has  Strong Volume of Distribution	b) Low Volume of Distribution
8. A drug which is fipld solution ligh Volume of Distribution	d) Both A & C

	A 36-year-old male of Lebanese ancestry is being treated for Plasmodium vivax malaria. He experiences severe fatigue, back pain, and darkened urine. Which one of the following antimalarial drugs is most likely to have caused his symptoms?  A. Pyrimethamine.  B. Artemisinin.  C. Chloroquine.
	D. Quinine.  Primaquine.  Hyperthyroidism can be treated by all but which one of the following?
	Triiodothyronine. B. Surgical removal of the thyroid gland. C. Iodide. D. Propylthiouracil. E. Methimazole.
	Which one of the following hormones is a non-peptide, allowing oral administration  A. ACTH  B. Growth hormone  C. GnRH  Thyroxine  E. CRH
>	12 The ability to reduce insulin resistance is associated with which one of the following classes of hypoglycemic agents?  A. Meglitinides.  B. Sulfonylureas.  C. Glucosidase inhibitors.  E. Gastrointestinal hormones.
	13: Estrogen replacement therapy in menopausal women:  A. Restores bone loss accompanying osteoporosis.  B. May induce hot flashes C. May cause atrophic vaginitis.  Is most effective if instituted at the first signs of menopause.  B. Requires higher doses of estrogen than with oral contraceptive therapy.
	14 A 23-year-old woman has failed to become pregnant after 2 years of unprotected intercourse. Which of the following would be effective in treating infertility due to anovulatory cycles?
	A combination of an estrogen and progestin  Clomiphene.  B. Estrogen alone.  D. Raloxifene.
	Young athletes who abuse androgens should be made aware of the side effects of these drugs. Which one of the following is, however, not of concern?  A. Increased muscle mass.  B. Anemia due to bone marrow failure.  C. Overly aggressive behavior.  D. Decreased spermatogenesis.  E. Stunted growth.
	16. Osteoporosis is a major adverse effect caused by the glucocorticoids. It is due to their ability to:  A. Increase the excretion of calcium.
	C. Stimulate the HPA axis.  D. Decrease production of prostaglandins.
	17. A 22-year-old man, who frequently backpacks, complains of diarrhea and fatigue. Examination of stool specimens shows binucleate organisms with four flagellae. Which one of the following drugs would be effective in treating this patient's infestation?

	THE STATE OF THE S
9. A constant fraction of the drug is metabolized per	unit time in:
fraction of the drug is metabolized p	First order kinetics
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a)Zero order miss	tion of drug action is that it is:
a)Zero order kinetics c) Bioavailibility 10. The effect of plasma protein binding on the dural	b) Shortened
10. The effect of plasma produced	d) None
	a) None
c) Constant	1) Albumin (binds normally) ball
11. Acidic drugs can bind with:	b) Albumin
Glycoprotien Lipo - Protiens (com bind)	b) Albumin (binds normally)  All of the above (so most probable arms is d)
12. Clearance is defined as:	tration
12. Clearance is defined as:  Rate of elimination/ Plasma drug concentration/ Rate of elimination/	ination
Bate of elimination/ Plasma drug of elim b) Plasma drug concentration/ Rate of elim b) Plasma drug concentration/ Plasma drug concentration/	operation
b) Plasma drug concentration/ Rate of characters of concentration/ Rate of characters	
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Enterohepatic circulation	
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16. Intrarticular Injection Rheumatoid Arthritis	d) Peritonitis
Cough	
17. Enteral route include:	b) Sublingual
	d) Intramuscular
18. Drugs exercted by lungs include:	b) Acetaminophen
a) Alcohol gases	12 - 15 A & C
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X a drug to cause fetal ability	b) Carcinogenicity
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20. Examples Insulin	
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# Department of Pharmacology MCQ's( Pharmacodynamics)

- 1. Which of the following correctly defines a receptor?
  - a. A carrier that transports drug
  - A macromolecule of a cell to which a drug binds and thereby producing its effects
    - c. An enzyme involved in drug metabolism
    - · d. A plasma protein to which drug binds
- 2. All of the following terms are correctly defined EXCEPT:
  - a. Affinity: The ability of a drug to bind to a receptor
  - b. \_ECSO: Concentration of a drug that produces half of Emax (maximum efficacy)
  - Efficacy: Maximum efficacy produced by a drug
    - d. Kd: The concentration of free drug at which all of the receptors are occupied.
- 3. A 24 years old patient is to be treated for toothache with an analgesic. Drug X and Y are 2 analgesics with the same mechanism of action. Drug X in a dose of 5 mg produces the same magnitude of response as 500 mg of drug Y. This most likely means:
  - a. Drug X has less potency than drug Y
  - b. Drug X has more efficacy than drug Y
  - c. Drug Y has more efficacy than drug X
  - EC 50 of drug Y is more than the EC50 of drug X
- 4. Which of the following variables are expressed by X axis and Y axis respectively of a graded dose response curve?
  - a. Affinity and Potency
  - . Efficacy and affinity
  - Potency and efficacy
    - d. Potency and affinity
- 5. A partial agonist may act as an antagonist in the presence of a full agonist because it has:
  - . High affinity but low intrinsic activity
    - b. High affinity but no intrinsic activity
    - c. No affinity but low intrinsic activity
    - d. No affinity and no intrinsic activity
  - 6. Which of the following statements concerning potency is correct?
    - a. Potency is more important clinically than efficacy
    - Is a measure of how much drug is required to elicit a given response
      - c. The greater the efficacy, the greater the potency of a drug
      - d. The higher the dose required for a given response, the more potent the drug-
  - 7. Variation in the sensitivity of a population of individuals to increasing doses of a drug is best determined by which of the following?
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    - b. Potency

#### GENERAL PHARMACOLOGY TEST

### MCQ s

Encircle the best choice.

		Literio				
ime allow	ed: 20 minute	s			Maximu	ım Marks: 20
	rugs administe oral	red through wh		v 100% bioavai utaneous	lability?	d) topical
	example of Goulin receptor	-protein couple b) nicoti	d receptors is: nic receptor		scarinic re	ceptor.
	AND DESCRIPTION OF THE PARTY OF	ipid soluble and	A STATE OF THE PARTY OF THE PAR		c) no ab	sorption
10000		dergoes high fir ability		de la companya della companya della companya de la companya della	ds higher	dose
	constant fracti ero order kineti	ion of the drug i		per unit time in order kinetics	1:	
		the drug that h		th a and b	15TAN	none
7. Pro	olonged depriv	ation of an agor	nist on the rec	eptors results in	increase	d sensitivity, this is
a) do	wn regulation	Oup re	gulation	c) both	d) none	
8. The	amount of a	drug required to	produce a res	ponse is called:	and the same	
a) ma	iximal efficacy	7 Opporer	c) ther	apeutic index		d) ligand
9. A g	enetically dete	rmined unexpe	cted abnorma	reaction to a d	rug is kno	wn as:
a) to	kic effect	b) dependence	( idio	yncrasy	d) tolera	ince
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<b>6</b> ter	ratogenicity	b) carcir	nogenicity	c) cross tolera	nce	d) allergic reaction
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c) Omeprazole	
6) 01	

- 15. A patient is administered a drug that binds to and activates cytokine receptors. The drug would most likely be: a. A corticosteroid b. Acetylcholine c. Adrenaline d Growth hormone 16. All of the following are 2<sup>nd</sup> messengers EXCEPT: a. IP3
  - b. cAMP
  - Adenylyl cyclase
    - d. DAG
  - 17. Which of the following ligands is correctly coupled with its receptor signaling mechanism?
  - a. Adrenaline: Ion channel linked receptors
  - b. GABA: Tyrosine kinase receptors
  - c. Insulin: Intracellular receptors
  - d. Vitamin D: Intracellular receptors
  - 18. The phenomenon of decrease in intensity of response to a given dose of a drug after repeated administration so that greater amount of drug is required to produce the same previous effect is called:
    - a. Allergy
    - b. Dependence
    - Tolerance
      - d. Idiosyncracy
  - 19. Chronic use of an antagonist over a long period of time may cause an increase in the number of receptors. This is called:
    - a. Desensitisation
    - b. Down regulation
    - c. Tolerance
    - d Up regulation
  - 20. What is the situation when failure to continue administering the drug result in serious psychological and somatic distrubances called?
    - Abstinence/ withdrawl syndrome
    - b. Idiosyncracy
    - c. Tachyphylaxis
    - d. Allergy

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c) No Absorption

## CLASS TEST



## DEPARTMENT OF PHARMACOLOGY

### MBBS 3rd YEAR

(General Pharmacology)

(General) -	
M	CQ's
	Max Marks: 20
Time Allowed: 20min	
12	
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Conjugation	d) Deamination
c) Reduction	mited for permeation of very large protein
c) Reduction  Which one of the following process is best s	
molecules into cells?	b) Special Carrier Transport
a) Aqueous Diffusion	n Linia Diffusion
@ Endocytosis	ses water soluble and more lipid soluble at low
4. A process by which a weak acid becomes it	b) Permeation
p11 is:	b) Permeation
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c) Elimination	offects of a drug on a body is called:
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7. Drugs administration (a) Oral	d) Topical
c) Subcutaneous	a) Topical
that coluble and differen	b) Low Volume of Distribution
8. A drug which is fiple solution ligh Volume of Distribution	D P of A & C
a light vinding	d) Both A & C

Quantal dose response curve d. Graded dose response curve 8. Which of the following is a measure of drugs potency? 13. EC50 b. EMax c. Kd d. Bmax 9. Which of the following defines the concentration or dose between the minimum effective concentration or dose and minimum toxic concentration or dose? a. Efficacy b. Intrinsic activity c. Therapeutic index . Therapeutic window 10. The dose which produces toxic effect in 50 % of the population is: a. ED50 U. TD50 c. TD99 d. ED1 11. A patient is administered insulin to a patient to oppose the hyperglycemic effects of Glucocorticoid therapy. This is an example of: a. Chemical Antagonism b. Competitive Antagonism c. Physical Antagonism Va. Physiological Antagonism 12. All of the following statements are true regarding Competitive reversible pharmacological antagonist, EXCEPT: a. It causes a parallel shift of the dose response curve of an agonist to the right . It decreases the potency of an agonist c. It increases the efficacy of an agonist d. Its effect can be overcome by increasing the agonist concentration. 13. A patient is administered drug A that produces no effect on its own and causes a right and downward shift on the dose response curve of another drug B and decreasing its maximum efficacy. Drug A is most likely an: a. Competitive reversible antagonist b. Irreversible antagonist c. Partial Agonist 14. Deferroxamine is a drug given in iron overdose. It acts by combining with iron in d. Physiological Antagonist plasma to form an inactive complex. Which of the following terms best defines this Chemical Antagonism (To Dwg (Agoust) NA Response b. Competitive Antagonism c. Physical Antagonism d. Physiological Antagonism

#### 12. Microsomal drug reactions occur in: mitochondria (b) endoplasmic reticulum d) plasma a) nucleus 13. The effect of enzyme induction on a drug is: decreased plasma level c) none a) increased plasma level 14. Time taken for the plasma concentration of a drug to be reduced to half of its initial value is known as: d) loading dose c) maintenance dose plasma half life a) bioavailability 15. The maintenance dose depends upon: d) none a) volume of distribution 16. The receptors associated with Steroids are: Intracellular d) none b) G-protein coupled a) ion channels 17. The ratio of median toxic dose to median effective dose is: therapeutic index c) Allergy d) dependence a) antagonism 18. The requirement of higher dose of a drug to produce the same response is: c) withdrawal bitolerance a) cumulation IN THE DOSE RESPONSE CURVE SHOWN: B RESPONSE DOSE b) Drug B has more efficacy 19. a) Drug A has more efficacy d) none A & B have same efficacy Drug A is more potent that drug B 20. a) Drug C is the most potent

d) Drug A is the most potent

c) Drug A and C have same potency

#### MULTIPLE CHOICE QUESTIONS

Classtest

#### FIRST TERM TEST OF PHARMACOLOGY

Time allowed:60 mins		Max Marks:45	
1.Drugs administered through which route show 100% bioavailability?			
a)Oral sntravenous	c)Subcutaneous	d)Topical	
2. The process by which amount before entering the systemic circu	of the drug in the body is alation is called:	reduced after administration	
a)Excretion 69First pass effe	ct c)Metabolism	d)First order elimination	
3. Which one of the following type	es of reaction takes place in p	phase 2 metabolism of a drug?	
Conjugation b)Hydrolys	is c)Oxidation	d)Reduction	
4.A constant fraction of the drug	is metabolized per unit time	in:	
a)Zero order kinetics oFirst ord	der kinetics c)Bioavailability	d)Hoffmann elimination	
5.The ability of a drug to cause i	fetal abnormalities is known	as:	
a)Carcinogenicity b)Allergic	Reactions (Creratogenicity	d)Cross Tolerance	
6.Enteral route of drug administ	ration includes all of the follo	owing except:	
a)Oral b)Intraven	ous c)Sublingual	both A & C	
7.A drug which is lipid soluble a	nd unionized has following p	roperties:	
a)No Absorption	b) Low volume o	f distribution	
(c) High volume of distribution	d) Higher Excreti	ion .	
8.Prolonged deprivation of an agon	ist on the receptor result in inc	reased sensitivity, this is:	
a) Down regulation	ion c) Tolerance	d)Tachyphylaxis	
9. Safety of a drug is better explain a) Potency b)Ligand	ed by: Cherapeutic index	d) Efficacy	
10.An example of drugs acting thro Gonadal steroids b) Insulin	ough intracellular receptors is: c) Cytokines	d)Epinephrine .	
11.Histamine cause Bronchoconstr	iction (mediated at Histamine r	receptors) in patient with asthma.	
When Epinephrine is given to the I	patient during asthma attack, B	bronchodilation usually results.	
Which of the following expression	best describes the action of Epi	nephrine in this situation?	
a) Chemical antagonist.	b) Noncompetitive a	ntagonist.	
(C) hysiological antagonist	d)Pharmacological a	ntagonist.	
12. A genetically determined unex	pected abnormal reaction to a d	lrug is known as:	
a)Toxic effect b)Dependar	nce Codiosyncrasy	d) Tolerance	

DEPARTMENT OF PHARMACOLOGY Max Marks:20	
Max Marks:20	200
1) Which of the following is not a hypothalamic hormone? 2) Monotone b) Somatostation (MCQ's)	3rd year MBBS
a) Growth hormone b) Somatostatin c) TRH	Time Allowed: 20 mins
-michoffonine is a micostatili cilici	d)CRF
(a) FSH + LH obtained from urine of menstruating women  (b) LH obtained from urine of preparation women	
(b) LH obtained from urine of menstruating women (c) FSH + LH obtained from urine of pregnant women	
FSH + LH obtained 6.	
(d)Gondaotrophin releasing hormone	
onowing are the effects of india t. e.	
The Dayword Size of the inviold pland (b) Dayword vascularity	of the thursdid stand
(c) Decreased hormone release   http://ecreased.peripheral.c	Conversion of TA to Ta
4) Which of the following drugs acts by increasing insulin secret	ion?
a)biguanides bisulfonylureas c)Acarbose	d)thizolidenidions
5) Which of the following insulin preparation is used in diabetic	ketoacidosis:
Regular insulin (b) Lente insulin (c) NPH insu	ulin d) Glargine insulin
6)A 50 years old lady having breast cancer with estrogen &Prog	
a) Ethinyl estradiole b)Flutamide. c)Leuprol	
7) Which of the following is usually the most appropriate drug for	or post coital contraceptive use?
a) Sildenafil b) Mifepristone. c)Raloxife	ene. d)Ritodrine.
8)Oral contraceptives bear an increased risk of:	E. MANUFACTURE OF THE
Thromboembolism b) Weight loss c) Ovarian cancer	d) Dysmenorrhea
9). A 70-year-old woman is being treated with raloxifene for	osteoporosis. There is an increased risk of her
developing:	the standard of the standard o
a)Breast Cancer b) Uterine cancer Deep Vein th	irombosis d) raised LDL
10.A long acting β 2 adreneraic agonist used in asthma is:	JNDalal
	d)Propranolol
a)Salbutamol. Salmeterol. C) reroutating.  11. A child with asthma is being treated effectively with inhal	ed preparation of becometasse
following adverse effects is of particular concern?	secion will steparthritis
a)Hypoglycemia b)Hypotens on Growth support	corticoids inhibit:
a)Hypoglycemia b)Hypotens on clowdropped 12.To produce anti-inflammatory and metabolic effect, Gluco (a)Cyclooxygenase. b) Lipooxygenase. c) hospholipase A	2 d)Xanthine oxidase.
a)Cyclooxygenase. b) Lipooxygenase. b) hospholipase A  13. Which of the following drug is a potent inhibitor of cortico	steroid synthesis and is used in severe Cushing
13. Which of the following drug is a potent inhibitor of correct	
disease?	d) Prednisone.
a) Dexamethasone. b)Hydrocortisone. b)Retaconazore.  14.Glucocorticoids have not been proved to be effective in the	e treatment of:
discide have not been proved to be elective in the	nylaxis (a) Osteoporosis
(a) Addison's disease (b) Bronchial Asthma (c) Anaph	The state of the s
15. Insulin acts by binding to:  (b) Tyrosine kina	ce receptor
(a) Ion channel regulating receptor (b) Intracellular receptor (c) G-protein coupled receptor (d) Intracellular receptor (e) G-protein coupled receptor (f) Which of the following compounds is incorrectly matched to the following compounds in the following compounds is incorrectly matched to the following compounds is incorrectly matched to the	d with its mechanism of action?
(c) G-protein coupled receptor (c) G-protein coupled receptor (c) G-protein coupled receptor (c) G-protein coupled receptor	d with its income
16. Which of the following compounds is incorrectly infaction  (a) Flutamide: Competitively blocks the binding of androgens to	their receptor
(a) Flutamide: Competitive (b) Finasteride: Inhibits 5α-reductase (b) Finasteride: Libita a glucosidase	i icontor
(c) Acarbose: Inhibits α-glucosidase	to their receptor
(b) Finasteride: Inhibits α-glucosidase (c) Acarbose: Inhibits α-glucosidase (d) Pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone: Competitively blocks the binding of estrogens of the pioglitazone	D)thiabendazole
(c) Acarbose: Inhibits α-glucosidase  (d) Pioglitazone: Competitively blocks the binding of estrogens  (e) Pioglitazone: Competitively blocks the binding of estrogens  (f) Pioglitazone: Competitively blocks the binding of estrogens  (g) Pioglitazone: Competitively blocks the binding of est	. Djiniabetida.
a) albendazole. Divermectin. C)pyranter parietaes  a) albendazole. Divermectin. C)pyranter parietaes  18)Select the chemotherapeutic agent that causes cardiac to  18)Select the chemotherapeutic agent that causes cardiac to  C)methorrexa  B)tamoxifen.	oxicity.
a) albeitdazote chemotherapeutic agent that causes Comethoriexa	ite. Jodoxorabien
18) Select the carried B) tamoxifen.  B) tamoxifen.	or hemorrhagic cystus.
a) cyclophosphamidellowing drug is most likely response	ocil d)Tamoxifen
18)Select the chemotherapeutic agent that C)methorrexa a) cyclophosphamide. B)tamoxifen. C)methorrexa a) cyclophosphamide. C)fluore 19)Which of the following drug is most likely responsible for the following is a drug that is used in combina 20)Which of the following is a drug that is used in combina cyclophosphamide. C)fluore C)methorrexa C)fluore C)fluore C)with nephrotoxicity?	ation therapy for testicular carcinoma
A)doxorubicin	*** On Chicken of
20) Which of the following is a 20) Which of the 20) Which	D)Leuprolide
20) Which of the following associated with nephrotoxicity?  associated with nephrotoxicity?  B) Vinblastine.	II.
associated with nephrotostate.  B)Vinblastine.	
A) Bleomycin.	

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13)Menotropins is a preparation of:	nereased blood lipid levels
(a) FSH + LH obtained 6	
(a) FSH + LH obtained from urine of menstruati	ng women
(b) LH obtained from urine of pregnant women	
FSH + LH obtained from urine of post meno	pausal women
(d)Gondaotrophin releasing hormone	Samuel and the same of the sam
14) Which statement about Thyroxine (T4) is	correct?
a)more active than T3	c)Half life is less than
15) Following are the effects of iodide salts Ex	cept:
(a) Decreased size of the thyroid gland (b) I (c) Decreased hormone release  16) Which of the following drugs acts by incr	reasing insulin secretion?
a)biguanides ·	c)Acarbose d)thizotidentations
17) Which of the following insulin preparation	n is used in diabetic ketoacidosis:
Regular insulin (b) Lente insulin	(c) NPH insulin
18)A 50 years old lady having breast cancer	with estrogen & Progresteron receptors may receive:
a) Ethinyl estradiole b)Flutamide.	c)Leuprolide.
19)Which of the following is usually the mos	t appropriate drug for post coital contraceptive use?
Cildenafil Mifepristone.	c)Raloxifene. d)Ritodrine.
20)Men who use large doses of anabolic steroids, are at increased risk of the following:	
a) Anemia. b) Testicular enlargeme	nt. synecomastia d)osteoporosis [/
21)Oral contraceptives bear an increased ri	sk of:
Weight loss C	Ovarian cancer d) Dysmenormen
22) A 70-year-old woman is being treated with raioxitene for osteoporosis. There is an increase	
her developing:  (a) Breast Cancer (b) Uterine cancer (23). To produce anti-inflammatory and meti-	Duan Vain thrombasia di enignel I DI
b) Lipooxygenase.	Hospitotipuse 112.
24)Which of the following drug is a poter	Ketaconazole . d) Prednisone.
a) Dexametricas	correctly matched with its mechanism of action?
25) Which of the following compounds is an activities and a state of the second competitively blocks the bindi	ng of androgens to their receptor
(a) Flutamide: Competition	The state of the s
(a) Flutamide: Comp  (b) Finasteride: Inhibits 5α-reductase  (b) Finasteride: Likits α-glucosidase	
(b) Finasteride. Inhibits α-glucosidase  C Acarbose: Inhibits α-glucosidase  Pioglitazone: Competitively blocks the bit	nding of estrogens to their receptor
Pioglitazone: Conq.	

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a)

b)

c)

d)

al

b)

c)

a)

6)

Storaids AND Anti-Concer Which of the following best describes the effect of propylthiouracil on thyroid hermone production? A. It blocks the release of thyrotropin-releasing hormone. B. It inhibits uptake of iodide by thyroid cells. C. It prevents the release of thyroid hormone from thyroglobulin. It blocks iodination and coupling of tyrosines in thyroglobulin to form thyroid hormones. E. It blocks the release of hormones from the thyroid gland.

A 64-year-old woman with a history of Type 2 diabetes is diagnosed with heart failure. Which of the following drugs would be a poor choice in controlling her diabetes?

A. Sitagliptin.

B. Exenatide.

C. Glyburide.

D. Glipizide.

Pioglitazone.

Which of the following statements is true for therapy with insulin glargine?

A. It is primarily used to control prandial hyperglycemia.

B. It should not be combined with any other insulin.

C. It is now used preferentially in Type 1 diabetics who are pregnant.

Pharmacokinetically, there is no peak activity, and the activity lasts about 24 hours. E. It is effective by inhalation.

A child with asthma is being treated effectively with an inhaled preparation of beclomethasone dipropionate. Which of the following adverse effects is of particular concern?

A. Hypoglycemia

B. Hirsutism.

Growth suppression.

D. Cushing's syndrome.

E. Cataract formation.

Which of the following drugs specifically inhibits calcineurin in the activated T lymphocytes?

A. Daclizumab.

B. Cyclosporine

C. Prednisone.



E. Mycophenolate mofetil.

A patient is being treated with allopurinol to control hyperunicanin resulting them chemotherapy. Which of the following would have to have its dose reduced to prevent toxicity?

A. 5-FU.

Б-MP.

C. 6-TG.

D. Fludarabine.

E. Cytarabine.

Mucositis develops in a patient undergoing cancer chemotherapy with methotrexate. Administration of which one of the following agents would help?

Leucovorin.

M B Filgrastim.

C. Prednisone.

D. Vitamin B12.

Which of the following drugs is recommended for the treatment of severe, multidrugresistant Plasmodium falciparum malaria?

Artemisinin. E. Primaquine.

B. Chloroquine.

C. Quinine. D. Sodium stibogluconate.

DEPARTMENT OF PHARMACOLOGY Marks 25 A 38-year-old male has recently started monotherapy for mild hypertension. At his most recent of MCO's isit, he complains of tiredness and not being able to complete three sets of tennis. Which one of following drugs is he most likely to be taking for hypertension? a) Atenolol. c) Phentolamine. 2) Which drug is most likely to slow recovery from hypoglycemia in a diabetic patient who has taken (a) doxazosin (b) propranolol (c) phenoxybenzamine . (d) atenolol 3)Propranolol is useful in all of the following except: (b) Familial tremor (c) Hypertensi (e) Partial atrioverntricular block (a) Angina 4) A 57 years old man is being treated for an atrial arrhythmia. He complains of headache, dizziness a tinnitus. Which of the following antarrhythmic drugs is the most likely cause? (d) Quinidine b)Procainamide 'a).Amiodarone c)Propranolol 5) Digitalis has a profound effect on myocyte interacellular concentrations of Na+, K+ and Ca2+. Th effects are caused by digitalis inhibiting: Ma /K ATPase of myocyte membrane (a)Ca<sup>2+</sup> ATPase of the sarcoplasmic reticulum d)Juxtaglomerular renin release c)Cardiac B1 receptor 6). A 58 year old man is admitted to the hospital with acute heart failure and pulmonary edema. Which the following drugs would be most useful in treating him. d)Minoxidil c) Furosemide b)Dobutamine a)Digoxin 7) Which of the following adverse effect is likely to be experienced by a man taking sublings nitroglycerine for atherosclerotic angina? (b) Throbbing Headache 2)Bradycardia d)Sexual dysfunction (a) lypertension 8) Which of the following side effects caused by nitroglycerine cap be counteracted by combining blockers in case of angina? b)Methemoglobinemia c)Throbbing headache d Reflex tachycardia a)Dizziness 2) Which of the following antihypertensive drugs can cause persistent cough upon administration. a) Losartan b)Enalapril c)Propranolol d)Prazosin 10) Select an antihypertensive drug which precipitates thypertensive crisis upon abrupt cessation therapy: a)Clonidine b)Diltiazem c)Enalapril d)Losartan 11) The most suitable drug for the treatment of paroxysmal supraventricular tachycardia is: a)Adenosine b)Lidocaine (c)Quindine d)Sotalol 12) Which of the following effect is not associated with use of hydrochlorothiazide?

(b) Increased urinary excretion of Ca

a)increased blood glucose level