

Third Prof. A/2015
Examination: Doctor of Pharmacy (Pharm.D.)

Roll No.

Subject: Pharmacology & Therapeutics-II

PAPER: 2

(b)

Digitalis poisonings

TIME ALLOWED: 3 hrs.

MAX. MARKS: 100

NOTE: Attempt any FIVE questions. All questions carry equal marks.

What is monoamine theory of depression. Classify antidepressants. Describe mechanism 01. of action, pharmacological properties, unwanted effects and interactions of tricyclic antidepressants. 20 Q2. (a) Describe mechanism of action, antibacterial spectrum and adverse effects of macrolides Describe bacterial mechanisms of antibiotic resistance with examples (b) 20 Q3. (a) What is diabeties mellitus. Explain types of diabetes mellitus. (b) Give detailed account on sulphonylurea. 20 Q4. Illustrate diagrammatically cell-cycle specificity of antineoplastic drug classes. Discuss mechanism of action, therapeutic uses and adverse effects of Doxorubicin. 20 Classify antifungal drugs. Discuss the mechanism of action and resistance of Q5. Amphotericin B. 20 Q6. Discuss various principles of treatment of poisoning. Explain salicylates poisoning. 20 Q7. Write notes on the following 20 (a) Diazepam



Third Prof. A/2016
Examination: Doctor of Pharmacy (Pharm.D.)

Roll	No				
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Subject: Pharmacology & Therapeutics-II

PAPER: 2

TIME ALLOWED: 3 hrs. MAX. MARKS: 100

- 1. Classify Narcotics Analgesics. Discuss the Pharmacology of Morphine. (20)
- Classify General Anesthetic? Explain in Detail the Pharmacokinetics and pharmacodynamics of Thiopental & Nitrous Oxide. (20)
- Classify Anxiolytics. Describe the pharmacological action, clinical uses and adverse effects of Benzodiazepines. (20)
- Classify Alkylating agents. Discuss the mechanism of action, therapeutic uses and adverse effects of Cyclophosphamide & Doxorubicin. (20)
- Classify Antiretroviral Drugs. Discuss the mechanism (s) of action and resistance of Zidovudine & Amantadine. (20)
- Classify β-Lactum Antibiotics. Discuss the mechanism of action and therapeutic uses of Cephalosporins? (20)
- Define POISON. Discuss various principles of treatment of Poisoning. Explain ORGANOPHOSPHOROUS COMPOUND. (20)



Third Prof. 2nd A/2016
Examination: Doctor of Pharmacy (Pharm.D.)

Roll	N	0.								

Subject: Pharmacology & Therapeutics-II

PAPER: 2

TIME ALLOWED: 3 hrs. MAX. MARKS: 100

- Classify NSAIDs. Discuss the Mechanism of action, Pharmacological and untoward effects of Aspirin. (20)
- 2. Classify Antidepressant Drugs. Discuss the Pharmacology of SSRIs and MAOIs. (20)
- Describe the Life cycle of Malarial Parasite Plasmodium falciparum. Discuss the Mechanism of action, Pharmacokinetic and Anti-malarial spectrum of Chloroquine & Primaquine. (20)
- 4. a) What are different classes of natural compounds used as Cytoxic agents? (10)
- b) Discuss the Mechanism of action of Paclitaxel (Taxol) & Cisplatin. (10)
- Discuss the Mechanism of action, Antibacterial spectrum and contraindication of Macrolides. (20)
- 6. a) Classify Antifungal drugs. (08)
- b) Discuss the mechanism of action and adverse effects of Amphotericin B & Griseofulvin. (12)
- Classify Antiviral drugs. Discuss the Mechanism of action and therapeutic uses of Acyclovir & Interferons. (20)

Third Prof: Annual - 2017
Examination: Doctor of Pharmacy (Pharm.D.)

Roll No.

Subject: Pharmacology & Therapeutics-II (Old & New Course) TIME ALLOWED: 3 hrs. PAPER: 2 MAX. MARKS: 100

Q1.	a) Classify antifungal drugs.	(10)
	b) Discuss the mechanism of action and adverse effects of Azoles.	(10)
Q2.	Describe the life cycle of Plasmodium and discuss the mechanism of action, pharmacokinetic and antimalarial spectrum of Artemesinin.	(20)
Q3.	a) What are the different classes of natural compounds used as cytotoxic agen	ts? (10)
	b) Discuss the mechanism of action and adverse effects of Vinca alkaloids.	(10)
Q4.	Discuss the mechanism of action and resistance of Penicillins.	(20)
Q5.	Describe different types of epileptic seizures. Write down the mechanism of a pharmacokinetic, clinical uses and adverse effects of phenytoin.	action, (20)
Q6.	Classify antiviral drugs. Discuss the mechanism of action and therapeutic use amantatine	es of (20)
Q7.	a) Discuss the treatmet strategies of Acetaminophen-induced tocxicities.	(10)
	b) Discuss the pharmacology of levodopa.	(10)

Third Prof: 2nd Annual - 2017

Examination: Doctor of Pharmacy (Pharm.D.)

Roll No.

Subject: Pharmacology & Therapeutics-II (Old & New Course) TIME ALLOWED: 3 hrs. PAPER: 2 MAX. MARKS: 100

- Q1. Classify antimetabolite agents. Discuss the mechanism of action, therapeutic uses and adverse effects of methotrexate. (20)
- Classify antidepressant drugs. Discuss the pharmacological actions, and adverse effects of tricyclic antidepressants.
- Q3. Classify general anesthetics? Explain in detail the Pharmacokinetics and pharmacodynamics of thiopental (20)
- Q4. Classify β-lactum antibiotics. Discuss the mechanism of action, clinical uses and adverse effects of cephalosporins. (20)
- Q5. Classify antifungal drugs. Discuss the mechanism of action, clinical uses and adverse effects of amphotericin B. (20)
- Q6. Classify antiretroviral drugs. Discuss the mechanism(s) of action and resistance of Zidovudine (20)
- Classify NSAIDs. Describe mechanism of action, pharmacokinetics and unwanted effect of Aspirin. (20)





Third Prof: Annual – 2018
Examination: Doctor of Pharmacy (Pharm.D.)

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Subject: Pharmacology & Therapeutics-II (New Course)

PAPER: 2 (Part - II)

TIME ALLOWED: 2 Hrs. & 30 min. MAX, MARKS: 80

Attempt this Paper on Separate Answer Sheet provided. Attempt any 4 questions. Each questions carry equal marks.

Q 2. Classify antimetabolites. Discuss the mechanism of action, therapeutic uses and adverse ef methotrexate.	fects of (20
Q 3. Classify antifungal drugs. Discuss the mechanism(s) of action and resistance of Azoles.	(20)
Q 4. a) Classify antibiotics which inhibit Protein and Cell wall synthesis.	(10)
b) Discuss the mechanism of action and adverse effects of Aminoglycosides?	(10
Q 5. Classify Anxiolytics. Describe the pharmacological actions, clinical uses and adverse effects Benzodiazepines.	of (20)
Q 6. Classify general anesthetics? Explain in detail the pharmacokinetics and pharmacodynamics Thiopental?	s of (20)
Q 7 a) Discuss the mechanism of action and adverse effects of Metronidazole.	(10)
b) Describe the mechanism(s) of action, clinical uses and adverse effects of Albendazole.	(10)



Third Prof: Annual - 2018 Examination: Doctor of Pharmacy (Pharm.D.)

Subject: Pharmacology & Therapeutics-II (New Course) PAPER: 2 Part - I (Compulsory)

TIME ALLOWED: 30 min.

MAX. MARKS: 20

Attempt this Paper on this Question Sheet only.

Please encircle the correct statement. Each MCQ carries 1 Mark. . This Paper will be collected back after expiry of time limit mentioned above.

Q 1. MCQs

20

- I. Regarding acyclovir, which of the following statements is correct?
- a) It acts to inhibit viral entry into cells
- b) It is a guanosine analogue
- c) It is commonly given in doses of 10-20 mg TDS d) It is used to treat CMV
- II. Regarding amantadine, which of the following statements is correct?
- a) It potentiates dopaminergic function
- b) It is an antiviral drug
- c) It causes acute psychosis
- d) All of the above
- III. Zidovudine is an analogue of
- a) Thymidine
- b) Uracil
- c) Guanosine
- d) Cytosine
- IV. One of the following drugs binds with tubulin & arrest the cell cycle in metaphase
- a) Mechorethamine
- b) Methotrexate
- c) Vincristine
- d) Chlorambucil
- V. The drug used to treat Methotrexate toxicity is
- a) Mesna
- b) Folic acid
- c) Folinic acid
- d) Acetylcysteine
- VI. One of the following drugs causes cardiotoxicity
- a) Paclitaxel
- b) Vinblastine
- c) Adriamycin
- d) Methotrexate

VII. Drug of Choice for CMV infection is

- a) Lamivudine
- b) Ganciclovir
- c) Acyclovir
- d) Abacavir

VIII. Use of metronidazole in hepatic encephalopathy is due to its ability to

- a) Inhibit the production of intestinal toxins
- b) Convert ammonia in to urea
- c) Decrease intestinal absorption of ammonia
- d) Bind with serum ammonia
- IX. Clofazimine is associated with the following features EXCEPT,
- a) Anti-inflammatory activity
- b) Skin discoloration
- c) Effective in multibacillary leprosy
- d) Major renal excretion
- X. Indicate the local anesthetic agent which has a shorter duration of action
- a) Lidocaine
- b) Procaine
- c) Bupivacaine
- d) Ropivacaine
- XI. The primary mechanism of action of local anesthetics is
- a) Activation of ligand-gated K+ channels
- b) Blockade of voltage-gated Na+ channels
- c) Stimulation of voltage-gated Na+ channels
- d) Blockade of GABA-gated CI- channels
- XII. Which drug inhibit the protein synthesis in bacteria
- a) Tetracyclines
- b) Penicillins
- c) Cephalosporins
- d) Monobactams

XIII. Resistance to Chloramphenicol is due to one of the following mechanisms

- a) Efflux of drug
- b) Production of transferases
- c) Inactivation by β lactamases
- d) Both a and c

- XIV. One of the following is not Penicillinase susceptible
- a) Amoxacillin
- b) Penicillin G
- c) Piperacillin
- d) Cloxacillin
- XV. Macrolides
- a) Have enhanced activity at acidic pH
- b) Have little activity against legionella
- c) Have half lives which increase in patients with anuria d) Induce cytochrome p450 enzymes
- XVI. Which of the following opioid analgesics is a partial μ receptor agonist?
- a) Morphine
- b) Methadone
- c) Buprenorphine
- d) Sufentanyi
- XVII. For which of the following conditions could aspirin be used prophylactically?
- a) Non cardiogenic pulmonary edema
- b) Peptic ulcers
- c) Thromboembolism
- d) Metabolic acidosis
- XVIII. Indicate the psycho-stimulant, which is a methylxanthine derivative
- a) Caffeine
- b) Cocaine
- c) Amphetamine
- d) LSD
- XIX. Intravenous Flumazenil
- a) Has intermediate onset and duration of action about 2 hours
- b) Acts rapidly but has a short half-life
- c) Has an effect lasting 3-5 hours
- d) Has duration of action longer than 6 hours
- XX. Ivermectin exerts antihelminthic effect via
- a) Blockage of nicotinic receptors
- b) Inhibition of cholineesterase
- c) Inhibition of acetylcholine secretion
- d) Increased GABA transmission



Third Prof: 2nd Annual - 2018 Examination: Doctor of Pharmacy (Pharm.D.)

Roll No.

Subject: Pharmacology & Therapeutics-II (Old Course)

PAPER: 2

MAX. TIME: 3 Hrs. MAX. MARKS: 100

Q 1. Classify NSAIDs Give mechanism of action therease the	
Q 1. Classify NSAIDs. Give mechanism of action, therapeutic uses and adverse effects of Asprin.	(20)
Q 2. a) Classify Anticancer drugs?	(10)
b) Discuss the mechanism of action and clinical uses of Methotrexate.	(10)
Q 3. Classify Antiviral drugs. Discuss the mechanism of action and therapeutic uses of Acyclovir.	(20)
	(20)
Q 4. a) Discuss the mechanism of action and untoward effects of Fluoxetine.	(10)
b) Discuss the mechanism of action and clinical uses of Morphine.	(10)
Q5. Classify β-lactam antibiotics. Discuss the mechanism of action, clinical uses and adverse effect	ts of
Pericum G.	(20)
Q 6. a) What are General Anesthetics? Classify Inhalation and Intravenous Anesthetics.	(10)
b) Discuss the pharmacology of Nitrous oxide.	(10)
Q 7. a) Describe the mechanism of action and adverse effects of Artemesinin.	(10)
b) Describe the mechanism of action and adverse effects of Rifampecin.	(10)



Third Prof: 2nd Annual – 2018

Examination: Doctor of Pharmacy (Pharm.D.)

Subject: Pharmacology & Therapeutics-II (New Course)
PAPER: 2 Part – II

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	Roll No	
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MAX. TIME: 2 Hrs. 30 Min. MAX. MARKS: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

NOTE: ATTEMPT ANY FOUR QUESTIONS. EACH QUESTION CARRIES EQUAL MARKS.

	Q 2. a) What are different sub classes of Alkylating agents used as Anticancer drugs?	(10)
	b) Discuss the mechanism of action and clinical uses of Cyclophosphamide.	(10)
	O.3. Classify Antiviral days Discountly and the second of	
	Q 3. Classify Antiviral drugs. Discuss the mechanism of action and therapeutic uses of Acyclovir.	(20)
	Q 4. a) Discuss the mechanism of action and untoward effects of Amitriptyline.	(10)
	b) Discuss the mechanism of action and clinical uses of Morphine.	(10
1	Q5. Classify β -lactam antibiotics. Discuss the mechanism of action, clinical uses and adverse effect Penicillins.	
S		(20)
	Q 6. a) What are General Anesthetics? Classify Inhalation and Intravenous Anesthetics.	(10)
	b) Discuss the pharmacology of Nitrous oxide.	(10)
	Q 7. a) Describe the mechanism of action and adverse effects of Artemesinin.	(10)
	b) Describe the mechanism of action and adverse effects of Rifampacin.	(10)

Third Prof: 2nd Annual – 2018

Examination: Doctor of Pharmacy (Pharm.D.)

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Roll	No.	in	Words.	

Subject: Pharmacology & Therapeutics-II (New Course)

PAPER: 2 Part - I (Compulsory)

MAX. TIME: 30 Min. MAX. MARKS: 20

Signature of Supdt.:

Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer cutting and overwriting is not allowed.

(20x1=20)

- i. What are the two main targets currently used in anti-HIV therapy?
- a) Reverse transcriptase and protease
- b) Reverse transcriptase and integrase
- c) Protease and integrase
- d) The viral glycoproteins gp120 and gp41
- ii. Regarding Zidovudine (AZT), which of the following statements is CORRECT?
- a) It has a similar mechanism of action to amantadine
- b) It is not used to treat retroviruses
- c) It has a short half life
- d) It blocks thymidine kinase
- iii. Which of the following is Tyrosine Kinase Inhibitor?
- a) Infliximab
- b) Imatinib
- c) Acyclovir
- d) Idoxuridine
- iv. One of the following drugs binds with tubulin & arrest the cell cycle in metaphase
- a) Paclitaxel
- b) Cyclophosphamide
- c) Methotrexate
- d) Busulfan
- v. All are correctly paired except
- a) Cyclophosphamide-Cystitis
- b) Busulphan-Pulmonary fibrosis
- c) Paclitaxel-Neurotoxicity
- d) Vincristine-Bone marrow suppression
- vi. Which enzyme combination is involved in Ergosterol biosynthesis?
- a) Lanosterol 14aipha demethylase and Squalene epoxidase
- b) Lanosterol epoxidase and Squalene16alpha demethylase
- c) Lanosterol epoxidase and Squalene14alpha demethylase
- d) Lanosterol 16alpha demethylase and Squalene epoxidase
- vii. The mode of action of Polyenes involve
- a) Loss of membrane integrity and influx of Ca2+
- b) Inhibition of reproductive function
- c) Binds to Ergosterol d) Destruction of pore-like molecular aggregates

viii. Prophylactic drug in meningococcal meningitis

- a) Penicillin
- b) Ceftriaxone
- c) Erythromycin
- d) Rifampicin
- ix. Ceftriaxone is a
- a) First generation, oral antibiotic
- b) Third generation, parenteral antibiotic
- c) Second generation, oral antibiotic
- d) Fourth generation, parenteral antibiotic
- x. Drug of choice for bacterial Vaginosis is
- a) Metronidazole
- b) Ampicillin
- c) Acyclovir
- d) Fluconazole
- xi. Which drug inhibits the protein synthesis in bacteria
- a) Tetracyclines
- b) Penicillins
- c) Cephalosporins
- d) Monobactams
- xii. Indicate the local anesthetic agent which has a shorter duration of action
- a) Lidocaine
- b) Procaine
- c) Bupivacaine
- d) Ropivacaine
- xiii. The anesthetic, which is used intravenously
- a) Propofol
- b) Halothane
- c) Desflurane
- d) Nitrous oxide

xiv. The inhaled anesthetic, which reduces arterial pr	essure and heart rate is
a) Isoflurane	
b) Halothane	
c) Desflurane	
d) Nitrous oxide	1
xv. All of the following are undesirable effects of asp	nirin EXCEPT
a) Gastritis with focal erosions	
b) Tolerance and physical addiction	
c) Bleeding due to a decrease of platelet aggregation	'n
d) Reversible renal insufficiency	
xvi. Which of the following opioid analgesics is a pa	rtial μ receptor agonist?
a) Morphine	
b) Methadone	
c) Buprenorphine	
d) Sufentanyl	
xvii. All of the hypnotic drugs	
a) Increase the duration of REM sleep	
b) Decrease the duration of REM sleep	
c) Do not alter the duration of REM sleep	
d) Increase the duration of slow wave sleep	
xviii. Indicate the psychostimulant, which is a me	thylxantine derivative
a) Caffeine	
b) Cocaine	
c) Amphetamine	
d) LSD	
xix. One of the following is also used for the proph	ylaxis of Haemophilus influenzae infection
a) Isoniazid	
b) Rifampicin	
c) Pyrazinamde	
d) Ethambutol	£ 10
xx. Clofazimine is associated with the following fe	atures EXCEPT
a) Major renal excretion	
b) Anti-inflammatory activity	

c) Skin discolouration

d) Effective in multibacillary leprosy

Roll No. in Fig. UNIVERSITY OF THE PUNJAB Doctor of Pharmacy (Pharm.D.) Third Prof: Annual-2019 Roll No. in Words. Subject: Pharmacology & Therapeutics-II (New Course) Time: 15 Min. Marks:) 0 Paper: 2 Part - I (Compulsory) ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY. Signature of Supdt.: Division of marks is given in front of each question. This Paper will be collected back after expiry of time limit mentioned above. (20x1=20) Encircle the correct option. All the following are metabolized to desmethyldiazepam except: į. Prazepam a) Diazepam b) Flurazepam c) d) Clorazepate Which benzodiazepine has the shortest half-life: ii. Zaleplon Triazolam b) Zolpidem c) d) Eszopiclone Hypnotic dose of Estazolam is: iii. $0.5 - 2 \, \text{mg}$ a) b) 2-4 mg0.125 - 0.5 mgc) 2.5 - 10mgd) Benzodiazepines are clinically used for all the conditions except: iv. Panic attacks Insomnia b) Seizure disorders c) Muscle relaxant d) is used for absence seizures: Vigabatrin a) Tiagabine b) Retigabine c) Ethosuximide Duration of action of Ketamine is: vi. 5 - 10 min a) 10 - 20 min b) 15 - 30 min c) 60 - 120 min d)

Which antiparkinsonian is a MAO-B inhibitor:

Which antipsychotic drug has very low hypotensive action:

What is the minimum effective therapeutic dose (mg) of Clozapine:

P.T.O.

vii.

viii.

ix.

a)

b)

c)

a)

b)

c)

d)

a)

b)
c)

d)

Levodopa Selegiline

Amantadine

Orphenadrine

Chlorpromazine

Thiothixene

Fluphenazine

Clozapine

5

10

30

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x.	All t	he following cephalosporins are given intravenously except:
	a)	Cefazolin
	b)	Cephalexin
	c)	Cefoxitin
1004011	d)	Cefuroxime
xi.	Van	comycin is given in:
	a)	Pneumonia
	b)	Urinary tract infection
	c)	Endocarditis
	d)	Soft tissue infections
wIII	411	he fallendere deres his da go at the fallenderes
xii.	All	he following drugs bind to 50s ribosomal subunit except:
	a)	Tetracycllin
	b)	Erythromycin
	c)	Clindamycin
	d)	Linezolid
xili.	Whi	ch statement is correct regarding Gentamycin:
		9 3 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	a)	It causes reversible Nephrotoxicity
	b)	It causes reversible Ototoxicity
	c)	It causes irreversible Ototoxicity
	d)	It causes irreversible Nephrotoxicity
xiv.	Whi	ch antimycobacterial drug inhibits the synthesis of Mycolic acid:
	2)	Rifampicin
	b)	Pyrazinamide
	c)	Isoniazid
	d)	Ethambutol
xv.	Whi	ch antifungal drug inhibits the conversion of Lanosterol to Ergosterol:
	a)	Itraconazole
	b)	Terbinafine
	c)	Flucytosine
	d)	Amphotericin B
xvi.	All	he following antifungal drugs are eliminated via the liver except:
	a)	Ketoconazole
	b)	Itraconazole
		Fluconazole
	c) d)	Voriconazole
xvii.	200	
XVII.		ch antifungal drug blocks fungal P450 enzymes:
	a)	Flucytosine
	b)	Ketoconazole
	c) d)	Caspofungin Terbinafine
	a)	reromanne
xviii. Hepa	Reco	mmended adult dosage of Entecavir for the treatment of chronic infection is:
	a)	100 mg qd orally
	b)	200 mg qd orally
	c)	300 mg qd orally
	d)	500 or 1000 mg qd orally
xix.		of the following cell cycle specific in drug that acts on S phase of cell
	cycle	
	a)	Paclitaxel
	b)	Cytarabine
	c)	Vincristine
	d)	Bleomycin
xx.	Whi	ch general auesthetic is given intravenously:
	a)	Propofol
	b)	Halothane
	c)	Desflurane
	d)	Nitrous oxide



Doctor of Pharmacy (Pharm.D.) Third Prof: Annual-2019

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:	Roll	No.	

Subject: Pharmacology & Therapeutics-II (New Course)

Paper: 2 Part - II

Time: 2 Hrs. 45 Min. Marks: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Note: Attempt any FOUR questions. Each question carries equal marks.

Q-2	a) Classify anticancer drugs.	(10)
	b) Discuss the mechanism of action and clinical uses of Vincristine.	(10)
Q-3	Classify Antiviral drugs. Discuss the mechanism of action and therapeutic uses of Interferons.	(20)
Q-4	a) Discuss the mechanism of action and untoward effects of Fluxetine.b) Discuss the mechanism of action and adverse effects of Aspirin.	(10) (10)
Q-5	Classify Cell wall synthesis inhibiting antibiotics. Discuss the mechanism of action, and adverse effects of Cephalosporins.	(20)
Q-6	a) What are General Anesthetics? Give the pharmacology of Halothane.b) Discuss the pharmacology of Cocaine.	(10) (10)
Q-7	a) Describe the management of Arsenic intoxication. b) Describe the management of Morphine poisoning.	(10) (10)

Doctor of Pharmacy (Pharm.D.) Third Prof: Annual-2019

Subject: Pharmacology & Therapeutics-II (Old Course)

Paper: 2

Time: 3 Hrs. Marks: 100

	Note: Attempt any FIVE questions. Each question carries equal marks.	
Q-1	Write down the Pharmacology of Morphine.	(20)
Q-2	Classify antimetabolites. Discuss the mechanism of action, therapeutic uses and adverse effects of methotrexate.	(20)
Q-3	Classify antiviral drugs. Discuss the mechanism(s) of action and resistance of acyclovir.	(20)
Q-4	a) Discuss the mechanism of action and untoward effects of Amitriptyline.b) Discuss the mechanism of action and adverse effects of Aspirin.	(10) (10)
Q-5	Classify Protein synthesis inhibiting antibiotics. Discuss the mechanism of action, clinical uses and adverse effects of Tetracyclines.	(20)
Q-6	a) What are General Anesthetics? Classify Inhalation and Intravenous Anesthetics.b) Discuss the pharmacology of Nitrous oxide.	(10) (10)
Q-7	a) Describe the management of lead intoxication.b) Describe the management of digitalis poisoning.	(10) (10)



Doctor of Pharmacy (Pharm.D.) Third Prof: Annual-2021

Roll No.

Subject: Pharmacology & Therapeutics-II (New Course)

Paper: 2 Part – II

Time: 2 Hrs. 30 Min. Marks: 80

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Note: Attempt any FOUR questions. Each question carries equal marks.

2	Classify cell wall synthesis inhibitors antibiotics. Describe mechanism of action, antimicrobial spectrum, therapeutic uses and adverse effects of	20
3	Penicillin. Write Short Note on:	5x4= 20
	a) Vancomycin b) Azithromycin c) Ciprofloxacin	
	d) Gentamicin	
4	Classify protein synthesis inhibitors antibiotics and discuss MOA spectrum of activity uses and adverse effect of Aminoglycosides.	20
5	Classify Anti-fungal drugs. Discuss Pharmacology of Amphotericin B and Flucytosine	
6	Classify Anti-viral drugs. Write down mechanism of action of Oseltamivir, amantadine, lamivudine and adefovir	20
7	Define Toxicology. Discuss various factors influencing Toxicity. Explain Environmental & Occupational Toxicology.	20

Doctor of Pharmacy (Pharm.D.) Third Prof: Annual-2021

Roll No. in Words.

` Roll No. in Fig.

Signature of Supdt.:

Subject: Pharmacology & Therapeutics-II (New Course)

Paper: 2 Part - I (Compulsory)

Time: 30 Min. Marks: 20

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the correct option.

(20x1=20)

	A TUBLE - Cab - following entiring is non-
1. Dissociative anesthesia is produced by	2. Which of the following antiviral is non-
a) Ketamine	nucleoside reverse transcriptase inhibitor?
b) Fentanyl + droperidol	a) Acyclovir
c) Propofol	b) Zidovudine
d) Both (a) and (b)	c) Nevirapine
	d) Ribavirin
3. Flucytocin	4. Which is the humanized monoclonal
a) Anti-fungal drug	antibody used as antiviral agent against RSV
b) Anti-yiral drug	virus:
c) Anti-cancer drug	a) Amantadine
d) Anti angina drug	b) Palivizumab
, , , , , , , , , , , , , , , , , , ,	c) Interferon alpha
	d) Lamivudine
5. Absorption of oral iron preparations can be	6. Interferones
facilitated by co-administration of	a) Interfere with ability of virus to infect the
a) Antacids	cell
b) Tetracyclines	b) Frequently causes diarrhoea
c) Phosphates	c) Inihibit beterial cell wall
d) Ascorbic acid	d) Depresses the cough reflex
7. Tolerance of opioids can be documented	8. Amentadine
	a) Antiviral drug
except a) Constipation	b) Anti fungal drug
b) respiratory depressant	c) Anti bacterial drug
	d) Anti depressant drug
c) Addiction	
d) All above 9. Which one of the COX isoforms is found in	10. Which one of the following statements
	about fluconazole is most accurate?
the brain?	a) It is highly effective in treatment of
a) COX 3	aspergillosis
b) COX 2	b) It does not penetrate the blood – brain
c) COX 1	harrier
d) IL-4	c) Its oral bioavailability is less than that of
	ketoconazole
	d) It inhibits demethylation of lanosterol
The state of the s	12. Which of the following general anesthetics
11. The anesthetic, which is used intravenously	belongs to inhalants?
is	a) Thiopental
a) Propofol	b) Desfluran
b) Halothane	c) Ketamine
c) Desflurane	
d) Nitrous oxide	d) Propofol

13. which of the following inhaled anesthetics	14. Metronidazole is least likely to be effective
can produce hepatic necrosis?	in the treatment of
a) Soveflurane	a) Amebiasis
b) Desflurane	b) Giardiasis
c) Halothane	c) Pneumocystosis
d) Nitrous oxide	d) Psudomembranous colitis
15. The antibiotic that prevents peptidoglycan	16. Which of the following is not a protein
synthesis by blocking the transport of	synthesis inhibitor by binding to 30 S small
peptidoglycan monomer is:	ribosomal subunit?:
a) Cephamycin	a) Kanamycin
b) Cephalosporin	b) Streptomycin
c) Bacitracin	c) Erythromycin
d) Vancomycin	d) Tetracycline
17. Which of the following statements about	18. This antibiotic binds to the D-ala residues
vancomycin is accurate?	preventing cross linking of cell wall strands by
a) It is bacteriostatic	preventing the binding of cross linking
b) It binds to PBPs	enzyme. The antibiotic is:
c) It is not susceptible to penicillinase	a) Erythromycin
d) It has the advantage of oral bioavailability	b) Vancomycin
	c) Cephalosporin
	d) Chloramphenicol
19. Drug of choice for Brucella infection is	20. Chloramphenicol is the drug of choice in
a) Tetracycline	a) Staphylococcal infection
b) Gentamycin	b) Salmonella infection
c) Ampicillin	c) Viral infection
d) Sulfonamides	d) Amoebic dysentery