

#### **BRAINWARE UNIVERSITY**

Term End Semester Examinations, January- 2024
Programme – Bachelor of Science in Nursing
Course Name – Pharmacology(I&II) & Pathology (I&II) & Genetics
Course Code – PHAR(I&II) 205 & PATH(I&II) 210

(Semester - IV)

Time allotted: 3 hrs.			etted: 3 hrs.	Full Marks: 75				
			he margin indicates full marks. Candidaracticable. Write answer of Section –					
			Section	-A				
	(Pharmacolo			gy I &	II)	Marks - 38		
			Group – A (Multip		ice Question)	$7 \times 1 = 7$		
	1.	S						
	i)	State the complication associated with heparin therapy.						
		a)	Decreased urine output	b)	Infection			
		c)	Constipation	d)	Bleeding			
	ii)	State the pancreas is produces hormone that regulates the blood sugar in human body.						
		a)	Cortisol	b)	T4			
		c)	Insulin	d)	Glucagon			
	iii)	Nar	ne the indication of boric acid drop:					
		a)	Keratitis	b)	Conjunctivitis			
		c)	Chronic suppurative otitis media	d)	Rhinitis			
	iv)	Choose the correct option for that class of drugs that is commonly used to relieve pain and reduce fever by acting on the central nervous system.						
		a)	Antidepressants	b)	Antipsychotics			
		c)	Analgesics	d)	Anxiolytics			
	v)	Tell the route of administration of progesterone esters.						
		a)	Oral	b)	Topical			
		c)	IM	d)	IV			
	vi)	Tell	the drugs used in the management of	postpar	tum hemorrhage, exce	pt:		
		a)	Oxytocin	b)	Methyl ergometrine			

d)

Carboprost

c)

Mifepristone

vii)	Select from the following that you will like to of neural tube defects in the offspring, if your a) Folic acid	give pat	to a pregnant patient to deci ient is receiving antiepileptic Vitamin A	rease the risk drugs.
	c) Vitamin E	d)	Pyridoxine	
62	Group – B (Essay/ Lon Answer Any One Question)	g ar	iswer type question)	$1 \times 10 = 10$
2.	a) Define Prescription.			
-				2+4+4=
	b) Explain the Parts of Prescription.			10
0.0	c) Explain the contents of the prescription.			
OR	<ul><li>a) Describe the alternative system of medicin</li><li>b) Discuss the treatment of Ayurveda.</li></ul>	ie.		5+5=10
2 884	Group - C (Short ans		type question)	3 x 5 = 15
	rite short notes (Answer Any Three Question	is)		
a)	Write the treatment of allergic rhinitis.			[5]
b)	Write in detail about female contraceptives.			[5]
c)	Define vitamin and classify them			[5]
d)	Mention the management of food poisoning.			[5]
e)	Write the factors affecting the prescriptive aut	thori	ty.	[5]
	Group - D (Very short a	ansv	ver type question)	$3 \times 2 = 6$
. Wr	rite in short (Answer Any Three Questions)			
a)	Define antihistamines.			[2]
b)	Define MTP.			[2]
c)	Define Unani.			[2]
d)	Define the meaning of legal issues related to p	resc	ription (at least two issues)	[2]

# Section – B (Pathology I & II)

Group - A (Multiple Choice Question)

Marks - 25

 $4 \times 1 = 4$ 

[5]

[5]

[5]

5.	Selec	t the correct answer of the foll	owing :-	STREET, DESCRIPTION OF THE PARTY OF THE PART					
i)	Cho	Choose the common mineral constituent of renal calculi.							
	a)	Sodium chloride	b)	Calcium oxalate					
ii)	c)	Potassium phosphate dentify the most common route	d) of transm	Magnesium sulfate hission for bacterial meningitis					
	a)	Airborne droplets	b)	Contaminated water					
	c)	Foodborne transmission	d)	Direct contact with an infected person skin					
iii)	Sele	Select the right answer- In the stool analysis that suggest the presence of occult blood.							
	a) Iron deficiency anemia b) Diabetes		Diabetes mellitus	etes mellitus					
iv)	c) Sele	c) Liver disease d) Respiratory infection Select that indicate increased sperm count in semen analysis.							
	a)	Infertility	b)	) Hormonal imbalance					
	c)	Prostate cancer	d)	Urinary tract infection					
		Group - 1	B (Short	answer type question) 3	x = 15				
6.	Writ	te short notes (Answer Any Th	iree Ques	tions)					
a)	Evaluate and contrast different methods of urine collection, such as midstream, [5] clean-catch, and catheterization.								
b)		Write the recommended preparation for a patient before collecting a stool sample [5] for testing.							

Write the key steps involved in preparing a patient for sputum collection, and explain

the reason for patient education that is essential in this process.

Write the techniques used for sputum collection in hospital settings.

Explain the primary types of glomerulonephritis and their key differences.

c)

d)

			Group - C (Very shor	t an	swer type question)	$3 \times 2 = 6$
	7.	Write in short (Answer An				
	) a)		[2]			
		Write the symptoms that are commonly associated with uterine fibroids  Write the common symptoms of ovarian cysts.				[2]
t	0)		[2]			
(	2)	Illustrate the urine collection	c purposes.			
C	d)	Describe the process of spi		[2]		
e	e)	Write the main causes of meningitis.				[2]
			Section - C			
			(Genetics)			Marks - 12
		Gro	up – A (Multiple Cho	oice (	Question)	3 x 1 = 3
8.		Select the correct answer of	the following:-			
i)		Tell the name of Chromoso	rved best during			
		a) Anaphase		b)	Metaphase	
ii	i)	<ul> <li>c) Prophase</li> <li>Select the one from follow defect.</li> </ul>	ing is related to folic a	d) acid d	None of the above contribute in the prevent	ion of neural tube
		a) Folic acid stimulates	nerve cell growth	b)	Folic acid helps repair of tissue	
		(14) / L	e risk of neural tube g proper neural tube pregnancy	d)	Folic acid increases the tube defects	risk of neural
ii	ii)	Identify the most common form of Down syndrome.				
		a) Mosaic Down syndro		b)	Translocation Down sy	ndrome
		c) Trisomy 18		d)	Trisomy 21	

	Group - B (Short answer type question)	$1 \times 5 = 5$
a) E	Explain the process of genetic counseling.  Enlist the causes of developmental delay in children	[5] [5]
	Group - C (Very short answer type question)	2 x 2 = 4
10. V	Write in short (Answer Any Two Questions)	[2]
a)	Provide an example of a sex-linked disorder.	[2]
b)	Define "TORCH".	[2]
c)	Differentiate Incidence and prevalence.	[2]
d)	Write the meaning of Gene therapy.	[2]