Department of Pharmacy

Quaid.i.Azam University Islamabad Sample Test, M.Phil Admission

Read each question carefully, for each question, there is ONE answer, circle the appropriate answer for each question.

1: Whi	ch one is the heaviest	particulate component	of the	cell?		
) Mitochondria		Cytoplasm	d)Gol	gi apparatus
2: The	chief active constituen	t of fennel:				- 11
a)	Carvone	b) Borneol	c)	Dill-Apiole	d) Fer	nchone
3: Whi	ch of the following sta	tement do you agree w	ith?	_		
	_			on. b) Ciprofloxa	cin leads to clinical antag	onism when used with co-
ĺ		ofloxacin is used in uri				
4: Alka	loid present in Black p		,		,	
	Caryophyllene	b) Cinnamaldeh	ıyde	b) 1-phellan	drene d) Pipe	rine
5: Aced	clofenac		•	, -	, ·	
a)	Enhance glycosamir	oglycan synthesis b)	Caus	es GIT irritation	. c) Somewhat selective of	on COX-2 and COX-
	d) Belongs to narcot	ic analgesic e) All o	f the a	above		
	atura stramonium, the	hyoscine/hyoscyamine	e ratio	fall about 80% i	n young seedling to	in mature fruiting
plants.						
a)	50%	b) 40%		c)10%	d)30%	
7: Popp	y straw is the industri	al raw material of mor				
a)	Poppy straw contain					c) Poppy straw has the
	maximum morphine	,	ppy s	traw is the cheap	est available raw material	e) Poppy straw contains
	morphine derivative					
	ch one is a dibasic sug					
	Glucaric acid	b)Glucoronic acid	1	c)Uronic acid	d d) Gluconic acid	1
		NOT the class of secon	idary		J\ A 11 - 1 - 1 d	-
	Amino acids	b) Terpenes	'	c)Phenolics	d)Alkaloids	5
	w many isoprene units	s, are there in sesquiter	penes		4) 0	
a)	ich of the following at	b)2 tatement regarding pen	iaillin	c)3	d) 8	
a)					y of benzyl penicillin is po	oor c) Patient allergic to
a)					penicillin excretion by blo	
	reabsorption	e)None of the above	u)III	ochera mercase	penienini exerction of or	Jennig Tenar tabalar
12: Fol		folate coenzyme activit	v whi	ch is based on th	e	
		Purine ring c) Pyrazii				
		e group of antibiotics				
					derivative d) Glycopepti	de antibiotic
14: Wh	ich of the following te	erms indicates a loss of	mois	ture?		
		fflorescence c) Hygros				
15: Wh		tatements is FALSE re				
a)						blet more easily c) Binding
			Disint	egrants draw wat	er into the tablet causing	it to burst e) Glidants promote
		during compression.				
		for making assay for v				
					ation by Marcusson's me	thod
		tion of glucocorticoids			1) 11 1 1 1 1	
a)	Xanthine Oxidase	o) Phospholipase A2	c) Cy	clooxygenase	d)Histidine decarboxylase	;

18: The oral colchicine in gout is avoided due to which of the following situation;

19: Factors that determine bioequivalence of two brands of a drug include the:

a) Hepatic damage b) Bronchospasm c) GIT disturbances d) Agranulocytosis

- a) Taste of the preparations. b)Physical appearance of the preparations. c)Pharmacokinetic parameters of the preparations. d) Cost of the preparations.
- 20: Lactose intolerance is classified as a(n):
 - a) Allergy b) Enzyme deficiency c) Mineral deficiency d) Transporter abnormality e)Vitamin deficiency.
- 21: Which of the statement regarding Buprenorphine do you agree with?
 - a) Good analgesic for naive patients but addicts b) Fast but longer duration of action up to 24 h c) Pharmacological effects are similar to pentazocine d) Has no significant effect in analgesic and respiratory depression
- 22: Which of the following statements regarding transcription is correct?
 - a) The enzyme responsible for initiating transcription is RNA polymerase b) The enzyme responsible for initiating transcription is DNA polymerase c) During transcription, the genetic information contained in the nucleotide sequence of tRNA is translated into a protein structure. d) The process of transcription includes the splicing of exons.
- 23: Academic detailing by pharmacists provides a service to physicians by:
 - a) Educating on improved prescription legibility b) Advising on optimal patient interviewing techniques. c) Recommending strategies to avoid medication wastage d)Providing current information on best prescribing practices.
 - b) Promoting the use of physician samples given to patients.
- 24: Reasons for using coatings on tablets include all of the following, EXCEPT:
 - a) To mask the taste of the drug. b)To mask the odor of the drug. b) To improve the appearance of the tablet c) To increase the drug's release rate. d)To protect the drug from stomach acid.
- 25: Mercapturic acid derivatives in phase II metabolism can result from reactions of:
 - a) Glutathione conjugates.
 - b) glucuronide conjugates.
 - c) Glycine conjugates.
 - d) Glutamate conjugates.
 - e) Sulfate conjugates.
- 26: Accumulation occurs because drug from previous doses was not being removed completely.
 - a) True
 - b) False
- 27: Which one of these is the best way to preserve drugs for intravenous use?
 - a) Lyophilisation
 - b) Drying
 - c) Freezing
 - d) In solution form
- 28: Which ONE of the following is NOT true of hospital pharmacy services:
 - a) Most hospital prescriptions are dispensed in community pharmacies
 - b) Hospital pharmacies tend to be part of support directorates
 - c) Each ward or consultant is responsible for their own budget
 - d) Pharmacists may 'pay for' part of their own salary by saving their directorate money
 - e) The cost of day-to-day running of the department usually comes from a central fund
- 29: Which ONE of the following strategies could a pharmacist use to improve adherence?
 - a) Label the medication 'take as directed'
 - b) Suggest memory aids such as reminder charts or monitored dosage systems
 - c) Encourage patients to listen to advice without questioning it
 - d) Withholding information regarding reducing costs, such as prepayment certificates
 - e) Ignoring patient's beliefs with regard to their treatment
- 30: Temperature and pressure are the only factors which affect the reaction rate. State true or false
 - a) True
 - b) False
- 31: Which of the following term describe saponification?
 - a) Cleaving of ester molecules into carboxylic acid and alcohol
 - b) Dehydration synthesis by removing water
 - c) Hydrolysis of a salt by adding a weak acid
 - d) Synthesis of two alkyl groups to make an ether
- 32: Diffusion coefficient of drug D, Greater the value faster us the dissolution.
 - a) True
 - b) False
- 33: Which one of the following has a high perfusion rate?
 - a) Fat

		Muscle and skin					
	c)	Lungs and kidney					
	,	Bone					
34:	Whi	hich one of the following will be characteristics of diabetes type 2?					
	a)	The body becomes resistant to insulin					
		Immune cells destroy beta cells					
		Immune cells destroy kidney					
2.5		Increase of blood sugar					
35:		principle of prodrug design is known as chemical formulation.					
		True					
26.		False					
36:		tt is placebo?					
		The subjects do not know which study treatment they receive					
		Patients injected with placebo and active doses Fake treatment					
37.		Signed document of the recruited patient for the clinical trial procedures a face of the crystal has a different interfacial barrier.					
51.		True					
	,	False					
38:		ch of the following information should be on the 2 nd part of the prescription?					
		Name of medicine					
	/	How to take the medicine					
		Quantity to be dispensed					
•		Signature of the doctor.					
39:		ch of the following characteristics is suitable for transdermal drug?					
		Large drug dose Large molecular size					
		Drugs with narrow therapeutic indices					
		Drugs which are metabolized in the skin					
40:		ch of the following are natural local anesthetics?					
		Cocaine					
	b)	Benzocaine					
		Benzyl alcohol					
4.1		Clove oil					
41:		renal clearance of a drug bound to plasma protein is increased after displacement with another drug					
	a)	True False					
42.	/	at is the antagonist for heroin?					
	a)	Naloxone					
	,	Oxycodone					
		Fentanyl					
		Endomorphins					
43:		tell a person has a high blood pressure when the diastolic pressure is					
		More than 140 mm Hg					
		More than 90 mm Hg					
		More than 110 mm Hg More than 200 mm Hg					
44.		o sells to the customers?					
77.		Semi wholesalers					
		Wholesalers					
		Retailer					
	d)	Distributor					
45:	Whi	ch ONE of the following pharmacist roles most often includes providing ward-based checks on inpatient prescriptions?					
	a)	Radio-pharmacist					
		Dispensary manager Tacket and appropriate manager					
		Technical services manager Clinical pharmaciet					
		Clinical pharmacist Purchasing pharmacist					
46.		ve immunity can be conferred by the administration of					
	1	,					

a) Antitoxins

- b) Antisera
- c) Prostaglandins
- d) Vaccines
- e) Antibiotics
- 47: Which of the following is a cationic surface active agent?
 - a) Cetrimide
 - b) Sodium stearate
 - c) Potassium oleate
 - d) Polyvinyl alcohol
- 48: The ultraviolet region of the spectrum used in drug analysis
 - a) 50 200 nm
 - b) 200 400 nm
 - c) 200 750 nm
 - d) 400 600 nm
 - e) 600 800 nm
- 49: Which of the following is not a white blood cell?
 - a) Basophil
 - b) Eosinophil
 - c) Reticulocyte
 - d) Lymphocyte
 - e) Neutrophil
- 50: The functional group which contributes to the instability of aspirin is
 - a) Alcohol
 - b) Ketone
 - c) Ester
 - d) Heterocyclic
 - e) Ether