SUPPLEMENTARY BACHELOR OF PHARMACY (PRACTICE)

F.Y. B. Pharm. (Practice) :SUMMER- 2022 **SUBJECT: APPLIED PHARMACEUTICS**

Day: Friday				Time: 10:00 AM-01:0	00 PM		
Date: 23-09-2022	2	S-20430-2022		Max. Marks: 60			
N.B. 1) 2) 3)	Q.1 and Q.5 are COMPULSORY. Out of the remaining attempt any TWO questions from Section I and Section – II. Answer to both the section should be written in SEPARATE answer book. Figures to the right indicate FULL marks.						
		SECTION -	- I				
Q.1 A)		Attempt ANY SEVEN objective questions (MCQ/Fill in the Blanks) of the following:					
	i)	Main demerit of syrup as dosage fa) Faster chemical degradation of drugb) Cap locking		Slower drug absorption Turbid appearance			
	ii)	One of the main reasons to formulaa) To increase bioavailability of medicineb) To mask irritation from drug					
	iii)	 Main reason to formulate tablets is a) To increase bioavailability of medicine b) Easy to consume by patients 	c)	Convenient to handle and store Taste masking			
	iv)	As for I.P. Standards the compress minutes. a) 5 b) 15	sed tal	olet should disintegrate within 10 30			
	v)	Following oral liquid should not be administration a) Syrup b) Mixture	,				
	vi)	Following drops must be isotonic a) Earb) Eye	c) d)	 Pediatric drops All of these			
	vii)	Injections must follow all criteria,a) Sterileb) Apyrogenic	, excep c) d)	Isotonic Solution state			
n	viii)	When the drug is sensitive to hydrocommended for pediatric use a) Drop b) Syrup e method to test quality of suspensi	c) d)	p, following dosage form is Dry syrup Tablet	(03)		
\mathbf{B}) wrii	e memod to test quanty of suspensi	.UII.		(05)		

Q.2		Discuss principle, merit and demerit of various types of injectable dosage (I forms with one marketed example of each type.					
Q.3	a)						
	b)						
Q.4	a) b) c) d) e) f)	Answer ANY FIVE of the following: Write two examples of oral powders with one marketed name for each. Which are the hard gelatin capsule sizes recommended for human? Why? Define cracking of emulsion and any one way to minimize it. Write various applications of soft gelatin capsules. Write any two drugs that have skin surface as site of action. Justify composition of body powder.					
			SECTION – II				
Q.5	A)	Attempt ANY SEVEN objective questions (MCQ/Fill in the Blanks) of the following:					
		i)	Following parameters are important for better bioavailability of drug after its oral administration, except a) Drug should have sufficient liophilic nature b) Drug must be highly water soluble c) Drug should be chemically stable in GI tract d) Drug formulate in syrup form				
		ii)	Spacer tube attached to nozzle of MDI inhaler is useful as a) It increases velocity of spray c) It ensure better therapeutic effect b) It allows formation of fine d) It is marketing strategy mist				
		iii)	Storage condition of temperature between 8 to 25 degree Celsius is called as a) Cold place b) Cool pace c) Room temperature d) Ambient				
		iv)	Drug with half-life of 30 minutes is most related to following parameter a) Dose of drug is always small c) Delay frequency of drug administration b) Drug shows faster elimination d) Drug shows Cmax within half an hour				
		v)	Drug that is having weak acidic nature will have a) Better absorption from c) Better absorption from colon stomach b) Better absorption from small d) Poor absorption from oral intestine route				
		vi)	Sublingual tablets are formulated for following reasons a) Tablets are easy to administer c) Fastest onset of action b) It avoids first pass d) Sustained release purpose metabolism of drug				
		vii)	Following type of dosage form is suggested to avoid excessive metabolism of drug in liver, except a) Injection b) Suppository c) Mouth dissolving tablet d) Transdermal patch	7			

Q.2

viii) Effervescent based tablets of antibiotic for paediatric patients are formulated for following reason Tablet are easy to administer Antibiotics cannot be formulated as syrups from **d**) b) protect drug Effervescent salts improve hydrolysis chemical stability antibiotics Write with example enema preparation of any two drugs with direction to (03) use. **Q.6** What do you mean by DPI and MDI? Write merits, demerits and patient counselling for these two type of pulmonary drug delivery system. **Q.7** Write ideal requirements of a drug for better oral bioavailability. (05)b) Write ideal requirements of drug to formulate as transdermal patch. (05)0.8 Answer **ANY FIVE** of the following: (10)What is importantance of half life of drug for formulating it is sustained a) release tablet. b) Write patient counselling for eye drops. Write two name of drugs that are available as creams with reason to formulate and one brand name of each. Why we should not prescribe penicillin with Probenecide? d) Write merits and demerits of fixed dose combinations. e) What is mean by Biliary excretion and give examples? f)

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