Тор	ic Pharmaceutics-I (Theory) 1st Sessional question Page No. 1 Paper Date
(I)	Section - A Short Notes These are viscous liquid preparations that and used for the treatment of cough. They contains medicaments which have demulcent, sedartive, impectorant action ig simple linctus.
	young's scule formula to calculate the dose.
	Dose for child = Adult dose Age Age+12
Ans 3->	There are two types of prescription are: Compounded prescription Non-Compounded prescription.
	Liminents are liquid on sieni liquid preparations meant for external use to apply on skin. These are applied with friction & rubbing of the skin to reduce pain and relieve stiffness. Ig compton
Ans 5-9	Suspension is an enample of biphassic liquid dosage form in which finely divided solid particles are dispersed into liquid phase. lg - Milk of Magnesia.
And 67	îtis clear, sweetened, aromatic, hydroalcholic preparations meant jox oral use eg: Piperazine Citrate Elixir I.P.

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Brilliant's Topic ... Page No .. 2 Date Section - B Il Short Essay Ans 77 Flocculated Suspension
r Particles form loose aggregates
and form a net work The Deflocculated Suspension Particle exist as separate entitles. structure. 2. The rate of sedimentation is high The reate of sedimentation is 3. Sediment is easily to redispense Sediment is difficult to radisperse. 4. Sediment is loosly packed and does not from a hard cake sediment is very closely packed and form a hard cake at bottom. 5) Supernatent liquid is Clear Supernatent liquid is not Clear. 6. Suspension is not pleasing in appearance Suspension is pleasing in appearance. Ans& The Factors affecting the posology we: 1. Age: Newborn infants are abnormally sensitive to certain drugs because of im mature state of their hepatic and runal function is inactive. and elderly people may slow drug clearance due weak see nal and hepath function 2. Body weight: The official usual doses for drugs are considered Suitable for 70 kgs (150 pounds) individuals. The abnormally leaner obese patients required more dose of medicions / drug.

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3.	Body Suxface Araea A close relation enists between a large number of processes and body suxface area (BSA). The surface calculated or determined from a nomogram.		cal
4.	1. Sex: Women are more susceptible to the effects of a than are man. Pregnant women and nursing mot use medications only with advise of their physician.		
5.	Pathological State: warning and perecautions are used labeling to alert the physician to certain restrictions particular drug.	in the d in the use	rug ga
6.	Jolevance: Drug tolerance - The ability to endure to of a drug, particularly when acquired by a continuous substance.	he influence	gn
7.	Drug-Drug interactions: The effects of adrug may be the concurrent administration of another drug.	modefie	d by
8.	Time of dadministration: The presence of food in the Stone the absorption of drugs. The drugs are more rapidy a empty Stomach.	nach delau bsorbed gr	gs
9.	Route & administration: Deugs administrated intravense blood stream directly and thus the full amount administrated in the blood.		
Brill	Pharmaceutical dasage from and drug physical state the surface area of a drugs by then reduction of its parasignificant effect on the state of absorption. illiant's 758313233	z: Increa	ing has
The state of the last			

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1	opic	***************************************	Brilliant's Page No4
	1. Env	risconmental factors: Daylight is stimu mulating drugs and diminishing the	lant, enhancing the effect re effect of hypnotics.
	2 Em	otional factors: The temales are more virus less dose à certain drugs.	ementional than males and
	3. Pres	sence of diasease: During Jever apatient pureties than a normal person.	t can tolerate high doses of
		imulation: The drugs which are slow Ufficient high concentration in the bod is suppeatedly administered for a li	
	10	ergism= when two or more drugs on, their action is increased is calle	
1	Anto dru	agonism: when the action of one dru	is known as anatgonism.
	7. Idoo diffe	synchasy: An entra ordinary se crent from its characteristics pharm synchasy.	sponse to a drug which is lacked
An	1955 Ship is	by Indian Pharmacopoeia comma by Indian Pharmacopoeia comm of Ber. B.N Ghosh . It was written in s prograph given in latin . The first ed	copoeia was published in ittee under the chairman inglish with the official titles itton covered 986 monographs
	The w	salient features are: seights and measures have been given statements contained in the individual	ven in the metric system. Unal monographs have been

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Considered	1 to constitu	ute stampla	not low	Hand		
- Poses are	empressed by	ute standa	asky su	elem !	ficial su	bstantas.
system.			7	Politi	is week as	· english
• •		Section-C				
I Long Essay						The property and the second
Dosage jo	oms are the	action within	through in the bo	which soly E	drug mol	ecules are
is a combin	ation of the	drug and	different	kind	a encil	elents ox
additives	0	0	00		0 /	0000
Classifica	ation - I					
1. Physical:	state 2. Ro	oute & administr	rollon 3. st	ate & ac	Iministratio	m 4. use.
Solid		Oral		Kin	Foot	
Semi-sol		Paviental			Hair	Internal
Liquid		Rectal	7100	U,		External
Gaseous		Nasal	Han	1	Nose	
Classifica 1. Solid das	tion -II					
1. Solid das	age Joym -	- Unit do	(000 0 lox	W.A		
	U	-	+ Lable!	10 -)	Landan	
E	ulk	7	Cobsuk	-	powawi	
External	Intern	ral	Capsulve		KILIS	
External Bushing powder, Ear pooled) / Fine pou	uder)				
(houses, rasher	a) (grante	115				
This does	an lane e	Laure A. P.	11 1 01	, , 11		
Pers Clause	1 John is	pasen in	SOLICI STO	He! IN	y are no	ost handy and
Jus Chim	is a pen	g unstable	2.			
	paracero	2mol tablet	2			
	TISPIU	rin tablets.				
1, 1		7				
2 Liquid d	sage form	-> Pan	ental			
	0	Small	le y	O rege		
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Brilliant's Topic Page No ...6.... Biphasic Mono phasic Emuslion Internal External Suspension Syrups kiniments Eyelotions lotions. Eye drops Nasal draps. linches Throtspaints Decaps Mouth washer Sprays This dosage form is present in liquid state. There are bulky to handle, mere prove to breakage and spilling and microbial growth too. Calamine lotions Codeine linctus. 3. Semi Solid dosage forms Internal External. Suppositaies Oinements Oceams Pessavies These are present in semi-solid from eg Zandu Balan, Move etc. Ansit Preparation of emusion -> Day gum Method - Bottle gum Method - Day gum method The evations oil: water: gum is 4:2:1 requires morter and patte. This are added in same order and titurated well till clicking Sound and the volume is made up to required

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Brilliant's Topic Page No Date Wet gum method The ratio of oil: water: gum is 4:2:1 requires morter and pestle This are added to in same order and titruated well till dikking Sound and the volume is made up to requirement. Bottle Method The ratio of oil: water: gum is 2:2?1 All the compontants and budded into the bottle and skaken well to get primary emusion than the volume is made up to the requirement. Stability peroblems in emusion are: + Cracking 2. Greaming 3. Phase Inversion 4. Caalescence Cracking: sepration of a layer phases of the emusion Creaming = means upward or down words movements of the differsed phase to form thick layer at the surface on batton of emustion. Those inversion is simply defined as conversion of of emusion into w/o emustion or vice versa Coalescene's the presence process in which towo sor more droplets merge together to form a single large droplet. Methods to overcome the Stability Problem -> Selection of peroper emulsiphying agent -> By increasing the viscosity of the emustion 7 By proper Storage of the emusion
3 By maintaining minimum density difference rilliant's the size of dispersed globules

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