Exam Date & Time: 14-Mar-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Pharmaceutics-I [PCE-BP103T]

Marks: 75	Duration: 180 mins.
THAILMS: 75	I Multiple Choice Questions (MCQs)
	he questions. Section Duration: 30 mins
1)	Which of these is an antioxidant for oily systems?
	Sodium 1) Sodium 2) Sodium 2) Sodium 3) Thioglycolic acid 4) Ascorbyl palmitate (1)
2)	Incompatibility which can be rectified by addition or substitution of one ingredient in the prescription with another of equal therapeutic value is called
	1) Tolerated 2) Primary 3) Adjusted 4) Any of the above
3)	30° u/p alcohol is% v/v
	1) 140 2) 40 3) 130 4) 30 (1)
4)	1 lb = grains
	1) 6500 2) 7000 3) 437.5 4) 480
5)	Identify the dosage form where the drug is enclosed in a practically tasteless, hard or soft
6)	Soluble shell made of gelatin. (1) Tablet 2) Capsule 3) Cachet 4) Collodion Add 3 3, 2 3 and 1 3. Represent the result in gr (1)
	1) 480 2) 660 3) 870 4) 1040
7)	Which of these dosage forms is most likely to have a sweetening agent?
	1) Lozenge 2) Tablet 3) Capsule 4) Pessary (1)
8)	Which of these is a mineral colour?

	1) alizarin 2) indigo 3) anthocyanins 4) lead chromate (1)
9)	60 minims =
	1) 1 fluidram 2) 1 fluidounce 3) 1 pint 4) 1 quart (1)
10)	How much of epinephrine hydrochloride is required to prepare 555 mL of a 3.5% w/v solution?
11)	1) 19.425 g 2) 1.586 g 3) 19.425 mL 4) None of the above (1) The Drugs and Cosmetics Act was first issued in
/	(1) 1) 1970 2) 1974 3) 1940 4) 1945
12)	This person is known as Father of Indian Pharmacy Education.
	Prof R N 1) Chopra 2) Prof M L Schroff 3) Prof P C Roy 4) Prof B N Ghosh (1)
13)	Prescription abbreviation 'Fiat Mistura' means
	(1) You 1) Make a After meals After meals 4) Before meals
14)	Mouth washes do not contain the following ingredient (1)
	1) Alcohol 2) Humectant 3) Disinfectant 4) Surfactant
1.5)	
15)	It is NOT a eutectic substance.
	1) Thymol 2) Menthol 3) Chloral hydrate 4) Sodium alginate (1)
16)	Polyols are added in syrups to
	to increase solubility of added ingredients 2) to retard crystallization of sucrose 3) None of the above 4) All the above
17)	The primary emulcion formula (oxyga) for turnanting all based emulcion is

	1) 1:2:1 2) 2:2:1 3) 3:2:1 4) 4:2:1		
18)	All of the following liquids are for internal use except		
	1) Syrups 2) Elixirs 3) Liniments 4) Aromatic waters (1)		
19)	The skin layer is considered as a barrier for the absorption of drugs across the skin.		
	Stratum granulosum 2) Stratum 3) Stratum corneum 4) Stratum spinosum (1)		
20)	Hydrous wool fat is an example for		
	Hydrocarbon 2) Absorption 3) Water- Water- Soluble bases 4) Water- Soluble bases (1)		
Answer all the questions. 1) Define pharmaceutical incompatibilities. Describe their types. (10) 2) Explain the preparation of suspension and the liquid emulsions for external use with one example each. (10)			
III Short Answers			
	I the questions.		
1)	Write the importance of formulating drugs into dosage form		
2)	Give five formulae for calculation of dose of a drug for a child, based on adult's dose		
3)	What are isotonic solutions? Calculate the amount of sodium chloride that should be added to 200 mL of nasal drop (containing 0.4 g oxymetazoline), in order to make the solution isotonic to body fluid.		
	Take the freezing point (5) depression produced by 1% w/v oxymetazoline and 1% w/v NaCl solution as 0.158 °C and 0.576 °C, respectively.		
4)	Describe the mechanism of solubilisation of poorly-water-soluble drugs using surfactants		
5)	Explain the features, merits and demerits of hydrocarbon bases used in ointments.		
6)	Mention the benefits of theobroma oil over glycero-gelatin base		
7)	Enlist evaluation parameters of creams and explain any TWO.		

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