1/1/22, 2:41 PM PCE-BP502T - S2

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



MANIPAL ACADEMY OF HIGHER EDUCATION

Industrial Pharmacy I [PCE-BP502T - S2]					
Marks: 75			Duration: 180 mins.		
	I Mu	ultiple Choice Questions (MCQs)			
Answer all t	he questions.		Section Duration: 30 mins		
1)	Volume of injection (0.5 to 2 mL)) should be given by route			
	1) Intravenous 2) Subcutant	eous 3) Intramuscular	4) Intradermal (1)		
2)	As per GMP, Water for injection	(WFI) should be stored at0 C	_		
	1) 100	2) 90 3) 70	4) 80 (1)		
3)	gas is co	mmonly used in injections to avoid product degra	dation.		
	1) Hydrogen	2) Helium 3) Nitrogen	4) Oxygen (1)		
4)	FDA licensed parenteral products	s are mostly in the range of pH			
	1) 5 to 7	2) $\begin{vmatrix} 3 \\ to \\ 9 \end{vmatrix}$ 3) 4 to 8	4) 7 to 10 (1)		
5)	Sterilization for thermolabile pro-	ducts is carried out by proces	ss. (1)		
	1) Gamma radiation	2) Gaseous 3) Filtration 4)			

						Auto	clave	
6)		is the e	effect of milling a	nd mi	icronization.			
	1) Good flow	2) forma	Granule ation	3)	Moderate flow		4) Low density & poor flow	(1)
7)	Log P, between 1 ar	nd 3 represents		•	··			_
	1) Good absorption	2) Poor abso	orption 3	Mi aba	ild sorption	4)	Negligible absorption	(1)
8)		are ionized at all	pH values.					_
	Strong bases	2) Weak acids	S	3)	Weak bases 4)	Strong	acids	(1)
9)	Hydrochlorthiazide	is an example for						
	1) BCS Class	2) Class II	BC	S	3) BCS Class I	V	BCS Class I	(1)
10)		_ cream is used as	s emollient and m	noistu	rizer.	•		_
	1) Special	2) Vanishing	3)	O/W base			4) Cold	(1)
11)	Ideally primary packages	are specifically te	ested for		·			_
	1) Color		2) Description	3)	Shade		4) Leakag	e (1)
12)	Speed of drying, cl	eansing, good lathe	er etc is an prope	rty rel	lated to			_
	1) Tooth paste	2) Tooth pov	vder	3)	Shampoo	4)	Soap	(1)

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13)	In which step of sugar coating rounding of edges takes place?	1)
	1) Sealing 2) Syruping 3) Sub coating 4) Polishing	
14)	Buccal tablets are prepared for drugs that:	
	1) Get decomposed in gastric environment 2) Produce nausea on swallowing 3) Undergo first pass metabolism 4) All of the above	1)
15)	Di basic Calcium Phosphate is	
	1) Organic Inorganic 3) Organic 4) Inorganic Inorganic 5 Inorganic 6 1 1 1 1 1 1 1 1 1	1)
16)	Which of the following is not a component of coating formulation	
	1) Polymer 2) Solvent 3) Plasticizer 4) Lubricant	1)
17)	Friability test is done for	
	1) 25 rotations 2) 50 rotations 3) 75 rotations 4) 100 rotations (1)
18)	Which of the following tests are not carried out for Capsules	
	1) Disintegration 2) Dissolution 3) Weight variation 4) Friability	1)
19)	Bloom strength, A measure of cohesive strength of gelatin ideally for capsule should be.	
	1) 150-280 2) 100-200 3) 80-120 4) 120-150	1)
20)	Which one is a semi automatic method of capsule filling?	
	Auger fill method 2) Mechanical vibration fill method 3) Dosator method 4) Compression filling method (1)
	II Long Answers	

Long Answers

Answer all the questions.

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Define ophthalmic dosage forms. Discuss various factors affecting corneal absorption. List four criterions to choose preservatives in ophthalmic preparations with examples.

2) Describe the various parts of an aerosol valve system. Write a note on stability studies of Pharmaceutical Aerosols (10)

III Short Answers

Answer all the questions.

1)	Discuss any five functions of Dentifrices	(5)
2)	Briefly discuss tertiary packaging materials mentioning its significance.	(5)
3)	Briefly explain the importance of powder flow in hoppers during preformulation studies.	(5)
4)	List the components of SGC shell. Discuss the parts of rotary die filling machine of SGC	(5)
5)	Describe the process of selecting the capsule size for a formulation to be filled in hard gelatin capsule	(5)
6)	Explain how disintegration test is carried out for Enteric coated tablets and mention the limits to pass disintegration test for uncoated, film coated and enteric coated tablets.	(5)
7)	Discuss the coating pan and spray parameters to be considered during film coating of tablets	(5)

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