

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy
End Sem Examination Dec-2023
PY3CO03 Pharmaceutics -I

Programme: B. Pharm.

Branch/Specialisation: Pharmacy

Duration: 3 Hrs.

Maximum Marks: 75

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1
- Define Pharmacopoeia. Write the year in which first edition of Indian Pharmacopoeia was published. 2
 - Write down the full form and meaning of HS. 2
 - Differentiate between simple and compound powder. 2
 - Define preservative with an example. 2
 - Define throat paint and write the name of an official preparation. 2
 - Enlist any two differences between gargles and mouthwash. 2
 - Define displacement value with example. 2
 - Explain any one example of chemical incompatibility with justification. 2
 - Write any two examples of absorption bases of ointment. 2
 - Differentiate between ointment and creams. 2

- Q.2 Attempt any two:
- Classify the dosage forms with example. 10
 - Explain different types of powders with suitable examples. 10
 - Write a note on historical background of pharmacy profession in India. 5
 - In what proportions may a manufacturing pharmacist mix 20%, 15%, 5%, and 3% zinc oxide ointments to produce a 50g of 10% ointment. 5

- Q.3 Attempt any seven: Two questions from each section is compulsory.

Section - A

- Differentiate between the following: 5
 - Syrup and Elixirs
 - Lotions and Liniments

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- Classify suspensions. Discuss the stability problems associated with them. 5
- Explain the types and identification tests of emulsion. 5

Section – B

- Define suppositories. Discuss the method of preparation of suppositories. 5
- Define incompatibility. Classify the physical incompatibility with examples. 5
- Write a short note on anyone: 5
 - Types of suppository bases
 - Therapeutic incompatibility

Section – C

- Explain various semisolid dosage forms with official formulation. 5
- Discuss the evaluation of semi solid preparations in detail. 5
- Describe the excipients used in semi solid dosage forms giving suitable examples. 5

P.T.O.

Marking Scheme

PY3CO03 - Pharmaceutics- I

Q.1	i)	- Definition	1 Mark	2
		- Year	1 Mark	
	ii)	- Full form	1 Mark	2
		- Meaning	1 Mark	
	iii)	- Any two differences	1 Mark Each	2
	iv)	- Define	1 Mark	2
		- Example	1 Mark	
	v)	- Define	1 Mark	2
		- Name	1 Mark	
	vi)	- Any two differences	1 Mark Each	2
	vii)	- Definition	1 Mark	2
		- Example	1 Mark	
	viii)	- Example	1 Mark	2
		- Justification	1 Mark	
	ix)	- Any two examples	1 Mark Each	2
	x)	- Any two differences	1 Mark Each	2

Q.2	Attempt any two:			
	i.	- Definition		
		-Classification	5 Marks	
		- Flow chart		
		- Explanation of Solid dosage form		
		- Explanation of Liquid dosage form	5 Marks	10
		- Explanation of Semi solid dosage form		
	ii.	- Definition	1 Mark	10
		- Flow chart/ Types	2 Marks	
		- Internal powder with example	2 Marks	
		- External powder with example	5 Marks	
	iii.	- Description/ History	5 Marks	5
		- Formula	1 Mark	5
		-AllegationMethod	2 Mark	
		- Steps	2 Marks	
		- Result	1 Marks	

Q.3 Attempt any seven: Two questions from each section is compulsory.

Section – A

i.	- Difference between Syrup and Elixirs	2.5 Marks	5
	- Difference between Lotions and Liniments	2.5 Marks	

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ii.	- Classification	2.5 Marks	5
	- Stability Problems	2.5 Marks	
iii.	- Types	2 Marks	5
	- Identification Test	3 Marks	

Section – B

iv.	- Definition	1 Mark	5
	- Methods (any 2)	2 Marks each	
v.	- Definition	1 Mark	5
	- Classification with example	4 Marks	
vi.	a. Definition	1 Mark	5
	Types with example	4 Marks	
	or		
	b. Define	1 Mark	
	Types	3 Marks	
	Example	1 Mark	

Section – C

vii.	- Classification	3 Marks	5
	- Formulation	2 Marks	
viii.	- Evaluation parameters any 5	1 Mark Each	5
ix.	- Any 5 Excipient	1 Mark Each	5
