

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy
End Sem Examination Dec 2024
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.

		Marks	BL	PO	CO	PSO
Q.1	i. Define pharmacy. Who is the father of pharmacy?	2	1	1,7,8	1	
	ii. Write down the full form and meaning of s.o.s.	2	1	1,7,8	1	
	iii. Define eutectic mixture with an example.	2	1	1,2,11	2	
	iv. Define antioxidant with an example.	2	1	1,2,11	2	
	v. Differentiate between lotions and liniments.	2	1	1	3	
	vi. Name any two monophasic phasic liquid dosage form for internal use with the official preparations.	2	1	1	3	
	vii. Define idiosyncrasy with an example.	2	1	1,7,8	4	
	viii. Differentiate between tolerated and adjusted incompatibility.	2	1	1,7,8	4	
	ix. Write any two evaluation parameters of semisolids.	2	1	1	5	
	x. Define paste and write an example of official preparation.	2	1	1	5	
Q.2	Attempt any two:					
	i. Discuss the historical background of pharmacy profession in India.	10	2	1,7,8	1	
	ii. Classify powders giving suitable examples.	10	2	1,2,11	2	
	iii. (a) Explain the parts of prescription with example.	5	2	1,7,8	1	
	(b) Calculate the amount of 70%, 60%, 40% and 30% alcohol should be mixed to get 50% alcohol using allegation method.	5	3	1,2,11	2	

[2]

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

Section – A

i.	Discuss the formulation consideration of elixirs and throat paint with an official formula.	5	2	1	3
ii.	Differentiate between flocculated and deflocculated suspension.	5	2	1	3
iii.	Explain the stability problems of emulsions along with the methods to overcome.	5	2	1	3

Section – B

iv.	Classify suppository bases with example.	5	2	1,7,8	4
v.	Describe the types of drug incompatibilities giving suitable examples.	5	2	1,7,8	4
vi.	Explain the preparation methods of suppositories.	5	2	1,7,8	4

Section – C

vii.	Explain various excipients used in semisolids with example.	5	2	1	5
viii.	Describe the types and preparation methods of ointment and creams.	5	2	1	5
ix.	Discuss the mechanisms and factors influencing dermal penetration of drugs.	5	2	1	5

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	(b) Calculate the amount of 70%, 60%, 40% and 30% alcohol should be mixed to get 50% alcohol using allegation method.	5	3	1,2,11	2	

[2]

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

Section – A

- | | | | | |
|--|---|---|---|---|
| i. Discuss the formulation consideration of elixirs and throat paint with an official formula. | 5 | 2 | 1 | 3 |
| ii. Differentiate between flocculated and deflocculated suspension. | 5 | 2 | 1 | 3 |
| iii. Explain the stability problems of emulsions along with the methods to overcome. | 5 | 2 | 1 | 3 |

Section – B

- | | | | | |
|---|---|---|-------|---|
| iv. Classify suppository bases with example. | 5 | 2 | 1,7,8 | 4 |
| v. Describe the types of drug incompatibilities giving suitable examples. | 5 | 2 | 1,7,8 | 4 |
| vi. Explain the preparation methods of suppositories. | 5 | 2 | 1,7,8 | 4 |

Section – C

- | | | | | |
|---|---|---|---|---|
| vii. Explain various excipients used in semisolids with example. | 5 | 2 | 1 | 5 |
| viii. Describe the types and preparation methods of ointment and creams. | 5 | 2 | 1 | 5 |
| ix. Discuss the mechanisms and factors influencing dermal penetration of drugs. | 5 | 2 | 1 | 5 |

Marking Scheme
PY3CO03 Pharmaceutics -I

Q.1	i)	- Definition	1 Mark	2
		- Name	1 Mark	
	ii)	- Full form	1 Mark	2
		- Meaning	1 Mark	
	iii)	- Define	1 Mark	2
		- Example	1 Mark	
	iv)	- Define	1 Mark	2
		- Example	1 Mark	
	v)	- Any two differences	1 Mark Each	2
	vi)	- Two monophasic phasic liquid dosage	1 Mark	2
		- Official preparations	1 Mark	
	vii)	- Define	1 Mark	2
		- Example	1 Mark	
	viii)	- Any two differences, definition	1 Mark	2
		Each		
	ix)	- Any two parameters	1 Mark Each	2
	x)	- Define	1 Mark	2
		- Example	1 Mark	

Q.2	Attempt any two:			
	i.	- Description/ History	10 Marks	10
	ii.	- Define	1 Mark	10
		- Types/ Flow chart	2 Marks	
		- Internal powder with example	2 Marks	
		- External powder with example	5 Marks	
	iii. (a)	- Definition	0.5 Mark	5
		- Sample of prescription	1.5 Marks	
		- Explanation of Solid dosage form	3 Marks	
	(b)	- Steps	4 Marks	5
		- Result	1 Mark	

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

Section – A

i.	- Formulation consideration of Elixirs	2.5 Marks	5
	- Formulation consideration of Throat paint	2.5 Marks	
ii.	- Any 5 differences	5 Marks	5
iii.	- Stability problems, types	3 Marks	5
	- Methods to overcome	2 Marks	

Section – B

iv.	- Classification	4 Marks	5
	- Examples	1 Mark	
v.	- Physical	1.5 Marks	5
	- Chemical	2 Marks	
vi.	- Therapeutic	1.5 Marks	
	- Definition	1 Mark	5
	- Methods (any 2)	2 Marks each	
Section – C			
vii.	- Any 5 Excipient with example	1 Mark Each	5
viii.	- Types of ointment and creams	2 Marks	5
	- Preparation, base	3 Marks	
ix.	- Mechanisms	1.5 Marks	5
	- Factors	3.5 Marks	
