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GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm Practice- Year–I • EXAMINATION – SUMMER-2018

Subject Code: PP105TP **Date: 09/05/2018**

Subject Name: Applied Pharmaceutics

Time: 02:30 PM TO 05:30 PM **Total Marks: 60**

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a)	Define Dosage form. Classify Pharmaceutical Dosage Forms with examples.	06
	(b)	Explain role of GMP & GLP in Manufacturing of Dosage Forms.	03
	(c)	Write in brief about QA & QC.	03
Q.2	(a)	Define Tablets. Write Advantages and Disadvantages of Tablets.	06
	(b)	Enlist Ingredients used in tablets manufacturing with their specific role.	03
	(c)	Define: Mottling, Capping and Lamination.	03
Q.3	(a)	Give difference between Emulsion and Suspension.	06
	(b)	Define: Elixir, Solution, Syrup, Liniment, Lotion, Gargles.	03
	(c)	Explain Theory of emulsification.	03
Q.4	(a)	Write about storage and Packaging requirements for Pharmaceutical Dosage Forms.	06
	(b)	Define Bioavailability. Enlist factors affecting Bioavailability of drug.	03
	(c)	Write a short note on Novel Drug Delivery System.	03
Q.5	(a)	Define Absorption. Explain Factors affecting drug absorption.	06
	(b)	Define: Volume of Distribution, Renal Clearance, and EliminationHalf-life.	03
	(c)	Write about Drug metabolizing organs and Enzymes in brief.	03
Q. 6	(a)	Define Bioequivalence. Explain Various types of Bioequivalence.	06
	(b)	Write short note on passive diffusion.	03
	(c)	Explain in brief about Drug protein.	03
Q.7	(a)	DefineProdrug. Write applications of Prodrug.	06
	(b)	Write importance of BCS.	03
	(c)	Write in brief about Narrow Therapeutic Index Drugs.	03

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