

GUJARAT TECHNOLOGICAL UNIVERSITY
BPHARM – SEMESTER VII • EXAMINATION – WINTER • 2016

Subject code: 2270002**Date: 19-11-2016****Subject Name: Pharmaceutical Technology - I****Time: 10:30 am - 01:30 pm****Total Marks: 80****Instructions:**

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

Q.1	(a) Write a note on FFS Technology	06
	(b) Write a brief note on Parenteral suspensions	05
	(c) Discuss in brief about prefilled syringes.	05
Q.2	(a) What are clean rooms? Discuss the standards for clean rooms. Enumerate criteria for environmental monitoring of clean rooms.	06
	(b) Write advantages and disadvantages of liquid dosage forms.	05
	(c) Write a brief note on anti dandruff shampoo	05
Q.3	(a) Classify liquid dosage forms. Describe in brief the formulation components of clear liquids with the role of each component in the formula.	06
	(b) Write a brief note on	05
	1. Micro-emulsion	
	2. Multiple emulsion	
	(c) Explain preparation and storage of W.F.I.	05
Q.4	(a) What are sunscreen preparations? Discuss their formulation and evaluation in brief	06
	(b) Write a note on containers and closures used for parenteral products.	05
	(c) Explain formulation and evaluation of toothpaste	05
Q.5	(a) Enumerate factors influencing penetration of drugs through skin.	06
	(b) Write a brief note on general formulation for semi solid preparations	05
	(c) Enumerate ideal characteristics of suppository bases. Describe any one method of manufacturing suppositories in detail	05
Q. 6	(a) Define Aerosols. Give a brief account of propellants.	06
	(b) Discuss evaluation tests for pharmaceutical aerosol products	05
	(c) Write applications of Pharmaceutical Aerosols	05
Q.7	(a) Explain in detail the validation of steam sterilizer	06
	(b) What is SOP? Describe its significance	05
	(c) Discuss the premises facility requirements as per GMP.	05
