GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM. - SEMESTER- VII • EXAMINATION - SUMMER-2016

Subject Code: 2270002

Subject Name: Pharmaceutical Technology - I

Time: 2:30 PM to 5:30 PM

Total Marks: 80

Date: 05/05/2016

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

Q.1	(a)	Explain various types of additives which are used in parenteral preparations.	06
	(b)	Explain preparation, storage and distribution of Water for injection.	05
	(c)	Discuss the evaluation parameter of parenteral dosage form.	05
Q.2	(a)	Write a short note on Prefilled syringes.	06
	(b)	Explain sources of contamination and methods of prevention in sterile product.	05
	(c)	Discuss in brief about ocular inserts for ophthalmic use.	05
Q.3	(a) (b) (c)	Define Aerosols. Describe in detail of propellants use in pharmaceutical Aerosols. How to testing of Pharmaceutical Aerosols? Enlist various container uses for Aerosol. Explain various types of actuator and valve used in aerosol.	06 05 05
Q.4	(a) (b) (c)	Discuss ideal properties of suppository base. Write a short note on suppository bases. Classify routes of drug penetration through skin. Discuss factors influencing penetration of drugs through skin. Explain quality control testing of suppository.	06 05 05
Q.5	(a)	Describe role of each component in formulation for clear liquid.	06
	(b)	Describe the evaluation parameter of suspension.	05
	(c)	Define Emulsion. Write a short note on 1) Microemulsion, 2) Extract.	05
Q. 6	(a)	Classify cosmetics. Write short note on toothpaste.	06
	(b)	Differentiate between Vanishing and cold cream.	05
	(c)	Write brief note of various baby care products.	05
Q.7	(a) (b) (c)	Enumerate different type of record maintain in Pharmaceutical company as per GMP. Write short note in batch manufacturing record. Define SOP. Explain Standard Operating Procedure with format. Describe the premises facility requirements as per GMP.	06 05 05
