Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – VIII • EXAMINATION – WINTER – 2015

Subject Code: 280002 **Date: 07/12/2015**

Subject Name: Pharmaceutical Technology - II

Time: 2.30 PM to 5.30 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)	Define tablets. Give their types. Explain methods of tablet granulation.	**06**
	(b)	Give quality properties of compressed tablets. Write on their advantages and disadvantages.	**05**
	(c)	Describe tablet presses. Write in brief on technical problems during tableting.	**05**
Q.2	(a)	Write on any two: 1) binders 2) disintigrants 3) lubricants	**06**
	(b)	Write on properties and formulation of mouth dissolving tablet or an effervescent tablet.	**05**
	(c)	Enumerate tablet testing. Write on test for dissolution of tablets.	**05**
Q.3	(a)	Write on 1) materials for film coating 2) stages in sugar coating	**06**
	(b)	Write on types and operations involved in filling of drugs using capsule filling machine.	**05**
	(c)	Give a rationale for the selection of soft gelatin dosage form. Give a procedure of preparation of microspheres.	**05**
Q.4	(a)	Give types of packaging material. Write on important packaging materials evolved over time in pharmacy.	**06**
	(b)	Show how a packaging protects pharmaceuticals against all types of hazards	**05**
	(c)	Write on any one 1) films, foils and laminates 2) functions of a closure 3) quality control of packaging.	**05**
Q.5	(a)	Define cosmetics write on their functions show important considerations to be observed during their manufacture as per D&C Act.	**06**
	(b)	Write a brief note on any one 1) Toothpowder 2) Lipsticks	**05**
	(c)	Differentiate between vanishing cream and cold cream.	**05**
Q. 6	(a)	Define any two 1)In-process control 2) Master formula 3) Standard operating procedure.	**06**
	(b)	Write on any one 1)Pharmaceutical quality system 2) Product quality review	**05**
	(c)	Write in brief on any one 1) Good practices in production 2) Batch processing records.	**05**
Q.7	(a)	Write on Process Validation.	**06**
	(b)	Write in brief on Quality risk management.	**05**
	(c)	Give responsibilities of head of production.	**05**

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