

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Ph SEM-VI Examination-Nov/Dec.-2011

Subject code: 260001

Date: 21/11/2011

Subject Name: Hospital Pharmacy, Community Pharmacy & Dispensing Pharmacy- II

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.

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|-------------|-----|---|-----------|
| Q.1 | (a) | Define parenteral preparations. Write formulaion of parenteral preparations. | 06 |
| | (b) | Define HVAC, AHU and FFS. Write a note on types of parenteral preparations. | 05 |
| | (c) | Discuss quality control and quality assurance of parenteral products. | 05 |
| Q.2 | (a) | Enlist all sub parts of CGMP. Highlight important features of Production and Process Controls. | 06 |
| | (b) | Draw ideal layout plan of manufacturing unit of non-sterile formulations having solid and liquid dosage forms. What are the steps required for manufacturing of any anti-inflammatory tablet? | 05 |
| | (c) | What is radioactivity? Write uses of radiopharmaceuticals. Write control and regulations regarding the dispensing and distribution of radioisotopes. | 05 |
| Q.3 | (a) | What is the concept of prepackaging? Write about design, materials and equipments for packaging of pharmaceuticals. | 06 |
| | (b) | Enlist different Drug Distribution Systems in hospital. Explain UDDS in detail. | 05 |
| | (c) | Highlight important features of Non Charge Floor Stock Drugs. | 05 |
| Q.4 | (a) | Write role of hospital pharmacist towards healthcare and education in hospital. | 06 |
| | (b) | What is patient counseling? Write important job profile of a community pharmacist at the retail outlet of medical store. How can we improve the image of an Indian Pharmacist? | 05 |
| | (c) | Write accreditation aspects of hospital services. | 05 |
| Q.5 | (a) | Classify ointment bases. Discuss them with their advantages, disadvantages and examples. | 06 |
| | (b) | Enlist methods of preparation of ointment. Discuss any one method. Discuss instabilities in cream. | 05 |
| | (c) | Write note on suppositories and pessaries. | 05 |
| Q. 6 | (a) | Discuss factors affecting formulation of ophthalmic preparations. | 06 |
| | (b) | Define eye drops. Write a note on containers for eye drops. | 05 |
| | (c) | Write a note on ear drops and nasal drops. | 05 |
| Q.7 | (a) | Draw layout plan of sterile product area. Discuss processing steps for manufacturing of sterile products. | 06 |
| | (b) | Write importance and design of Laminar Flow Unit with special reference to HEPA filter. What do you mean by White, Red and Black area? | 05 |
| | (c) | Define dentifrices. Discuss liquid and semisolid dental preparations. | 05 |
