

MAY 2011

[KY 360]

Sub. Code: 2921

M.PHARM. DEGREE EXAMINATION

(Regulations 2010)

(Candidates admitted from 2010-2011 onwards)

FIRST YEAR

BRANCH VII – PHARMACY PRACTICE

Paper III – HOSPITAL AND COMMUNITY PHARMACY

Q.P. Code : 262921

Time : Three hours

Maximum : 100 marks

Answer All questions

I. Essay Questions :

(6 x 10 = 60)

1. Define the term “Pharmacoepidemiology”. Discuss in detail the various methods in conducting Pharmacoepidemiology studies.
2. Define hospital formulary. Describe the development and management of hospital formulary .
3. Explain the principles of community pharmacy management with special reference to staff, financial, material and infrastructure requirements.
4. Explain the concept of rational drug use. Discuss the role of pharmacist in rational use of drugs.
5. Define Pharmacoeconomics. Mention the types of economic evaluations. Explain Cost Effectiveness Analysis in detail.
6. Define Medication error. Explain the various categories of medication errors with examples.

II. Write Short Notes :

(8 x 5 = 40)

1. Unit dose dispensing method.
2. Meta-analysis.
3. Drug use indicators.
4. Patient counseling in community pharmacy.
5. Computers in community pharmacy.
6. Non- verbal communication.
7. Guidelines for Good Clinical Practice.
8. Role of pharmacist in family planning.

October 2011

[KZ 360]

Sub. Code: 2921

M.PHARM. DEGREE EXAMINATION

FIRST YEAR

BRANCH VII – PHARMACY PRACTICE

PAPER III – HOSPITAL AND COMMUNITY PHARMACY

Q.P. Code : 262921

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Define community pharmacy. Explain the roles and responsibilities of a community pharmacist. Write about the inventory management in community pharmacy?	17	40	20
2. Define pharmacy and therapeutics committee (PTC). Write the objective of PTC. Explain the operation and role of pharmacy and therapeutics committee?	17	40	20

II. Write notes on :

1. Code of ethics for community pharmacists	4	10	6
2. Patient counseling in community pharmacy	4	10	6
3. Role of pharmacist in communicable disease prevention	4	10	6
4. Unit dose dispensing in drug distribution	4	10	6
5. Drug information services	4	10	6
6. Legal aspect on storage of drugs	4	10	6
7. Advantages and disadvantages of hospital formulary system	4	10	6
8. System for monitoring drug effects	4	10	6
9. Importance of rational drug use	4	10	6
10. Types of pharmacoeconomics evaluation	4	10	6

[LA 360]

MAY 2012

Sub. Code: 2921

M.PHARM. DEGREE EXAMINATION

FIRST YEAR

BRANCH VII – PHARMACY PRACTICE

PAPER III – HOSPITAL AND COMMUNITY PHARMACY

Q.P. Code: 262921

Time: 3 hours
(180 Min)

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|----|----|----|
| 1. a. Discuss in detail about the various methods of drug distribution to a inpatient in a large hospital and discuss in detail about complete floor stock system. | 17 | 40 | 20 |
| b. Define evidence based medicine and explain how evidences are critically evaluated in the practice? | | | |
| 2. a. Discuss about the radiopharmaceuticals used in treatments and discuss the role of pharmacist in dispensing and handling of the same. | 17 | 40 | 20 |
| b. Explain the various pharmacoepidemiological studies and its significance. | | | |

II. Write notes on:

- | | | | |
|---|---|----|---|
| 1. Explain the role of community pharmacist in prevention of communicable diseases. | 4 | 10 | 6 |
| 2. Discuss the different type of costs used in pharmaco-economic evaluations. | 4 | 10 | 6 |
| 3. Write down the legal requirements for a prescription. | 4 | 10 | 6 |
| 4. Explain briefly the various health screening programs performed in a community pharmacy. | 4 | 10 | 6 |
| 5. Discuss the purchase procedure for drugs in a hospital pharmacy. | 4 | 10 | 6 |
| 6. Write a note on the intra - venous additive program. | 4 | 10 | 6 |
| 7. Discuss the Public health policy and its significance. | 4 | 10 | 6 |
| 8. Write a note on News letter. | 4 | 10 | 6 |
| 9. Discuss the role of pharmacist in medication adherence. | 4 | 10 | 6 |
| 10. Write in brief about the infrastructure and staff requirements with a lay out plan for a hospital pharmacy. | 4 | 10 | 6 |

[LB 360]

NOVEMBER 2012
M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY
Q.P. Code : 262921

Sub. Code: 2921

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|----|----|----|
| 1. Discuss drug distribution system - inpatients. | 17 | 40 | 20 |
| 2. Discuss the principle and elements of communication skills. | 17 | 40 | 20 |

II. Write Notes on :

- | | | | |
|---|---|----|---|
| 1. Code of ethics for community pharmacists. | 4 | 10 | 6 |
| 2. Write the legal requirements for establishing a community pharmacy. | 4 | 10 | 6 |
| 3. Total Parenteral Nutrition. | 4 | 10 | 6 |
| 4. Members and functions of research and ethics committee. | 4 | 10 | 6 |
| 5. Write a note on evidence based medicine. | 4 | 10 | 6 |
| 6. Write a note on meta analysis in pharmacoepidemiologic study. | 4 | 10 | 6 |
| 7. Role of hospital pharmacist in relationship to other hospital departments and staff. | 4 | 10 | 6 |
| 8. Drug information resources. | 4 | 10 | 6 |
| 9. Categories and Causes of medication error. | 4 | 10 | 6 |
| 10. Write on the role of community pharmacists in promoting family planning. | 4 | 10 | 6 |

[LC 360]

APRIL 2013
M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY
Q.P. Code : 262921

Sub. Code: 2921

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Define Pharmacoepidemiology. How such studies are carried out to establish safety and efficacy of drugs in population? Enumerate advantages.
2. Hospital Pharmacy structure, Organisation and Functions.

II. Write notes on :

(10x6=60)

1. Drug use Indicators methods.
2. Role of Community Pharmacist in services to nursing homes/clinics
3. Pharmacy and Therapeutic Committee
4. Write a note on Evidence Based Medicine
5. Write a note on Patient Counseling
6. Guidelines for rational prescribing of drugs.
7. What are the functions and responsibilities of community pharmacists?
8. Unit Dose Drug Distribution
9. Applications role of computers in Community Pharmacy
10. Write a note on Prescribed Medication Order-interpretation and legal requirements

[LD 360]

OCTOBER 2013

Sub. Code: 2921

M.PHARM. DEGREE EXAMINATIONS
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY

Q.P. Code : 262921

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

(2 x 20 = 40)

1. Explain the constitution and functions of Pharmacy and Therapeutic Committee.
2. Define Pharmacoeconomics. Discuss the various types of economic evaluations.

II. Write notes on :

(10 x 6 = 60)

1. What are the Barriers in Communication?
2. Applications of Radio Pharmaceuticals
3. Discuss various education and training activities of Hospital Pharmacist
4. Write a note on Public Health Policy
5. Write a note on IV additive services
6. Write about Drug Purchasing Procedures in hospitals
7. Inpatient Drug Distribution System
8. Role of community pharmacists in Over the Counter (OTC) drug sale
9. Role of Pharmacist in Infection Control Committee
10. Write a note on Patient Information Leaflets

[LE 360]

APRIL 2014

Sub. Code: 2921

**M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. a) Discuss the role of pharmacy and therapeutics committee in drug safety.
b) Pricing of drugs.
2. Elaborate on using the principle of evidence based medicine in the treatment of illness with illustrations.

II. Write notes on :

(10x6=60)

1. Information leaflets on obesity and Asthma.
2. Antibiotics usage guidelines in Hospital.
3. Preparation of Radio Pharmaceuticals.
4. What is the need for Pharmaco epidemiology?
5. Write a note on guidelines to be followed in prescribing geriatric patients.
6. Discuss about unit dose drug distribution system.
7. Narcotic drug distribution in Hospital.
8. Write note on cost effective and cost benefit analysis.
9. Skills required for Hospital Pharmacist.
10. Drug information resources.

[LF 360]

OCTOBER 2014

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Discuss about the legal requirement of a prescription and explain about prescription analysis.
b) Explain in detail about the organization of a Modern Hospital Pharmacy.
2. Elaborate on the significance of Pharmacoepidemiological studies in health related policy decisions.

II. Write notes on:

(10 x 6 = 60)

1. Drug use indicators.
2. Standard treatment guidelines.
3. Ethics to be followed in patient communication.
4. Role of community Pharmacist in smoking cessation.
5. Factors to be governed in IV addition.
6. Meta – Analysis.
7. Satellite Pharmacy.
8. Material management in community pharmacy.
9. Professional responsibilities of community pharmacist.
10. Addition and deletion of drugs in Hospital formulary.

M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY

Q.P. Code : 262921

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on :

(2 x 20 = 40)

1. a) Explain the concept of rational drug use. Discuss the role of pharmacist in rational use of drugs.
b) Define hospital formulary. Describe the development and management of hospital formulary.
2. Hospital Pharmacy structure, Organisation and Functions.

II. Write notes on :

(10 x 6 = 60)

1. Code of ethics for community pharmacists.
2. Total Parenteral Nutrition.
3. Categories and Causes of medication error.
4. Write on the role of community pharmacists in promoting family planning.
5. ABC analysis.
6. Services to Nursing home.
7. Applications of Radio Pharmaceuticals.
8. Discuss various education and training activities of Hospital Pharmacist.
9. Discuss the different type of costs used in pharmacoeconomic evaluations.
10. Write a note on Patient Information Leaflets.

[LH 360]

OCTOBER 2015

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define community pharmacy. Explain the roles and responsibilities of a community pharmacist. Write about the inventory management in community pharmacy?
2. a) Discuss about the radiopharmaceuticals used in treatments and discuss the role of pharmacist in dispensing and handling of the same.
b) Define evidence based medicine and explain how evidences are critically evaluated in the practice?

II. Write notes on:

(10 x 6 = 60)

1. Discuss the Public health policy and its significance.
2. Write the legal requirements for establishing a community pharmacy.
3. Advantages and disadvantages of hospital formulary system.
4. Importance of rational drug use.
5. Guidelines for rational prescribing of drugs.
6. ABC analysis.
7. Unit Dose Drug Distribution.
8. What are the Barriers in Communication?
9. Role of community pharmacists in Over the Counter (OTC) drug sale.
10. System for monitoring drug effects.

[LI 360]

APRIL 2016

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the constitution, policies and functions of infection control, research and ethics committee?
2. Describe with examples different types of Pharmacoepidemiology evaluation methods with their merits and demerits.

II. Write notes on:

(10 x 6 = 60)

1. Write a note on cost benefit and cost minimization analysis.
2. Write the importance of drug use indicators in rational drug use.
3. What are the barriers involved in communication?
4. Write the applications of computer in community pharmacy.
5. Discuss in detail education and training programme.
6. Mention the responsibilities of pharmacist in handling radiopharmaceuticals.
7. Describe the categories of medication non adherence.
8. Write about the drug information resources required for a drug information centre.
9. Mention the protocol involved in the hospital formulary development.
10. Write the legal requirements for the interpretation of prescribed medication order.

[LJ 360]

OCTOBER 2016

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. What are communicable diseases? Classify with examples and discuss the role of community pharmacist in preventing communicable diseases.
2. a) Define communication, its importance and various barriers for communication.
b) Discuss the roles and responsibilities of Pharmacy and Therapeutic Committee.

II. Write notes on: **(10 x 6 = 60)**

1. Explain elaborately on the drug information center and various resources used for providing the same and steps involved in it.
2. Explain briefly on the purchase of materials in a hospital pharmacy.
3. What are IV additive services and explain how a hospital pharmacist can play a role?
4. Define pharmacoeconomics and discuss its scope, limitations and various types of costs involved in pharmacoeconomics evaluations.
5. Explain in detail about critical appraisal of evidences.
6. Explain the roles and responsibilities of an Institutional review board with respect to research.
7. Write a detailed note on code of ethics for a practicing community pharmacist.
8. Discuss the role of a pharmacist in health care system.
9. What are smoking cessation program, its importance and role of a community pharmacist?
10. Discuss the concept of rational drug use with its importance and role of a pharmacist.

[LK 360]

MAY 2017

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define Pharmacoepidemiology and its scope. Discuss the various methods in conducting pharmacoepidemiological studies.
2. Explain the role and responsibilities of community pharmacist. Discuss in detail patient counseling in community pharmacy.

II. Write notes on: **(10 x 6 = 60)**

1. Applications of Radiopharmaceuticals.
2. Principle of evidence based medicine in the treatment of illness.
3. Organization and functions of infection control committee.
4. Rational use of drugs and drug use indicators.
5. Types of costs used in Pharmacoeconomics.
6. Discuss the purchase procedure for drugs on a hospital pharmacy.
7. Write a note on intra-venous additive program.
8. Brief on infrastructure and staff requirements for a hospital pharmacy.
9. Unit dose drug distribution.
10. Discuss about education and training for hospital pharmacist.

[LL 360]

OCTOBER 2017

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Explain in detail about the organization of a modern hospital pharmacy. Discuss about standard treatment guidelines.
2. Discuss about pharmacy and therapeutic committee, its objectives, organization, function and limitations.

II. Write notes on: **(10 x 6 = 60)**

1. Unit dose drug distribution.
2. Barriers of effective communication.
3. Preparation of radiopharmaceuticals.
4. Cost effective and cost benefit analysis.
5. Role of community pharmacist in prevention of communicable disease.
6. Need of pharmacoepidemiology.
7. Patient information leaflets.
8. Development of hospital formulary.
9. Research and ethics committee.
10. Inventory and inventory control techniques.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 360]

MAY 2018

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss in detail the various inpatient distribution methods in a hospital. Explain the purchase procedures in a hospital.
2. Define Pharmacoeconomics. Elaborate on the types of pharmacoeconomic evaluation methods.

II. Write notes on: **(10 x 6 = 60)**

1. Code of ethics for community pharmacists.
2. Discuss public health policy and its significance.
3. Total parenteral nutrition.
4. Pharmacy and therapeutic committee.
5. Handling and packaging of Radiopharmaceuticals.
6. Categories and causes of medication error.
7. Discuss about good clinical practice.
8. Advantages and disadvantages of Pharmacoepidemiological studies.
9. Brief on health screening programs in community pharmacy.
10. Write the legal requirements for interpreting a medication order.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 360]

OCTOBER 2018

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define inventory & inventory control. Write in detail about the various inventory management techniques in a pharmacy.
2. Explain elaborately various pharmaco-economic studies with its advantages and disadvantages.

II. Write notes on:

(10 x 6 = 60)

1. Discuss the role of pharmacist in preventing medication error.
2. Briefly elaborate the role of pharmacist in family planning.
3. Write a detailed note on Drug use indicators.
4. Write in detail about Meta – Analysis.
5. Explain briefly about the purchase and storage of drugs in hospital.
6. Write a note on Patient Information Leaflets.
7. Discuss various guidelines required for Good Clinical Practice.
8. Explain the role of hospital pharmacist in IV additive services.
9. Briefly detail the functions of research and ethics committee.
10. Explain the roles and responsibilities of a community pharmacist.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 360]

MAY 2019

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. a) Explain the elements of communication skills with special emphasis to non-verbal communication and explain the barriers to communications.
b) Define a prescription. Discuss about the legal requirement of a prescription and explain about prescription analysis.
2. Define pharmacoepidemiology. Explain various pharmacoepidemiological studies and its significance.

II. Write notes on: (10 x 6 = 60)

1. Explain the roles and responsibilities of a hospital pharmacist.
2. Discuss public health policy and its significance.
3. Briefly discuss the role of community pharmacist in smoking cessation programme.
4. Enumerate the types of pharmacoeconomics evaluations.
5. Explain functions of Pharmacy and Therapeutic Committee.
6. Write a note on the categories of medication errors with examples.
7. Explain how a community pharmacist can involve themselves in preventing communicable diseases.
8. Define radiopharmaceuticals and detail the applications of Radio Pharmaceuticals.
9. Discuss in detail about complete floor stock system in a hospital.
10. Discuss the role of computers in community pharmacy.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LP 360]

OCTOBER 2019

Sub. Code: 2921

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY**

Q.P. Code : 262921

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Write a detailed note on Inpatient drug distribution system with special emphasis to the dispensing of controlled substances.
2. Briefly explain the structure, organisation and functions of a Hospital Pharmacy.

II. Write notes on: (10 x 6 = 60)

1. Discuss the concept of rational drug use.
2. Write a note on medication adherence.
3. Write a detailed note on total parenteral nutrition.
4. Enumerate the services offered by community pharmacist to nursing home.
5. Explain about the role of pharmacist in labelling and handling of radiopharmaceuticals.
6. Discuss the importance and various barriers for communication.
7. Write a note on evidence based medicine.
8. Describe the development and management of hospital formulary.
9. Explain in detail about cost effectiveness analysis.
10. Write on the role of community pharmacists in providing first aid.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LQ 0121]

JANUARY 2021

Sub. Code: 2921

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

FIRST YEAR

BRANCH VII – PHARMACY PRACTICE

PAPER III – HOSPITAL AND COMMUNITY PHARMACY

Q.P. Code : 262921

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is Pharmaco epidemiology? Describe with examples of different types of pharmaco epidemiology, evaluation methods with their merits and demerits.
2. a) Define hospital pharmacy. Explain in detail about the organization and functions of modern hospital pharmacy.
b) Write a elaborate note on pharmacy therapeutic committee.

II. Write notes on:

(10 x 6 = 60)

1. Scope and role of community pharmacy in health care team.
2. Patient information leaflet.
3. Role of a community pharmacist in smoking cessation programme.
4. Write an elaborate note on hospital formulary.
5. Different types of inventory control methods.
6. Write short notes on unit dose drug distribution.
7. System for monitoring drug effect.
8. Different types of costs used in pharmaco economic evaluation.
9. Write a elaborate note on news letter.
10. Write a note on guideline followed in prescribing drug to geriatric patient.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2921

**M.PHARMACY DEGREE EXAMINATION
FIRST YEAR
BRANCH VII – PHARMACY PRACTICE
PAPER III – HOSPITAL AND COMMUNITY PHARMACY
*Q.P. Code : 262921***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define community pharmacy. Explain the roles and responsibilities of a community pharmacist and discuss in detail about patient counselling in community pharmacy.
2. Define hospital formulary. Describe the development and management of hospital formulary.

II. Write notes on:

(10 x 6 = 60)

1. Discuss the concept of evidence based medicine.
2. Discuss about the dispensing and handling of the radiopharmaceuticals.
3. What are communicable diseases? Classify with examples.
4. Define inventory, inventory control and list out the various inventory control techniques with brief explanation.
5. Explain the term pharmacoeconomics and what are the advantages and disadvantages of pharmacoeconomic studies.
6. Explain the concept of rational use of drugs.
7. Define medication error. Write a note on categories and causes of medication errors.
8. Individual prescription order technique.
9. Brief on cost minimization study.
10. Explain the roles and responsibilities of a hospital pharmacist.
