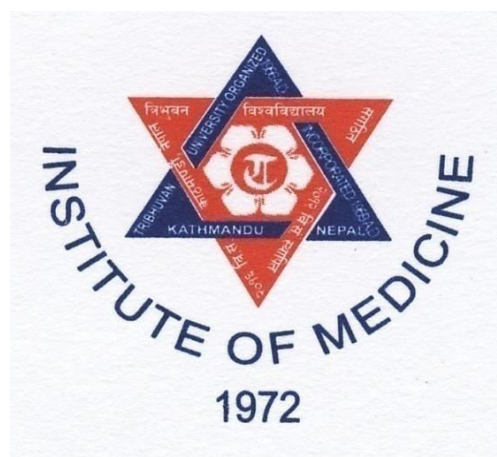


**Curriculum**  
**on**  
**Bachelor in Pharmacy**  
**(B. Pharm)**



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**Maharajgunj, Kathmandu, Nepal**

**2020 (2076)**

## COMMUNITY PHARMACY AND FIRST AID

Subject: Theory	Year: Third	Code: BP 607 A
Full Marks: 100	Total Teaching hours: 90	Credit hour: 6

### Marks distribution for examinations

Subject	Total marks (100)	Internal assessment (20)	Final assessment (80)
Community Pharmacy	50	10	40
First Aid	50	10	40

**Course Description:** This course gives brief knowledge of communication skills, rational drug uses, prescription handling, patient counseling and compliance, health education and competencies for community pharmacists.

### General objectives of Community Pharmacy:

At the end of the course, the students will be able to

- Acquired knowledge, attitude and practicing skills required for social and administrative pharmacy.
- Describe standard / defined pharmaceutical care in the community and social context.

### General objectives of First Aid:

At the end of the course, the students will be able to

- Assess an emergency situation and prioritise what action to take
- Provide necessary first aid within the workplace
- Explain and demonstrate essential life saving skills
- Prevent a severe injury from becoming a chronic problem
- Promote recovery

Specific objectives:

### Unit 1: Community Pharmacy

After the completion of the course, students will be able to

- Discuss definition, scope, of community pharmacy [2 Hr]
- Explain roles and responsibilities of Community pharmacist [2 Hrs]
- Explain community Pharmacy Management[2 Hrs]
- Discuss various methods of Inventory Control ABC, VED, EOQ, Lead time, safety stock [3 Hrs]
- Develop communication skills with particular reference to advising patient on the appropriate use of medicines.[3 Hrs]
- Discuss Barriers to communication.[1 Hrs]
- Discuss concept of Rationale Use of Medicine (RUM) [1 Hr]
- Discuss Concept of WHO Essential Medicines, Essential medicines list in Nepal.[1 Hr]
- Discuss Irrational medicine use and its associated problems [1 Hr]

- j. Discuss STGs (Standard Treatment Guidelines). [1 Hr]
- k. Discuss National Health Policy and Drug related provision on National Health Policy and their relation.
- l. Explain the Prescription and Prescription handling. [3 hrs]
- m. Describe the Label and Labelling of Dispensed medicines. [2 hrs]
- n. Discuss Nepalese legal requirements on labels[1 Hr]
- o. Discuss Patient Counseling and Compliance [4 hrs]
- p. Explain Drug Cycle Management with refrence to Drug selection, procurement, distribution and use.Logistic management of Drugs in Nepal.[4 hrs]
- q. Discuss introduction and types of Health Insurance [1 hr]
- r. Describe the concept of Universal Health Coverage (UHC), and related domestic Health Insurance Policy, The Social Health Security Programme (Operating) Regulations 2015, and other relevant policies existing in Nepal. [3 Hrs]
- s. Discuss Drug Use Evaluation and WHO drug Use Indicators. [4 Hrs]
- t. Explain Health Education: WHO Definition of health and health promotion [1 Hr]
- u. Discuss the role of Pharmacist in communicable and non-communicable diseases. [1 hrs]
- v. Discuss current Public health program in Nepal including vertical programs.[2 hrs]
- w. Discuss concept on Pharmacovigilance in public health and reporting system [2 hrs]

## **Unit 2: First aid**

After the completion of the course, students will be able to

- a Discuss definition of first aid and emergency care. Duties and responsibilities of first aider. Triage. Importance of first aid management. [2 hr]
- b Explain procedures of taking temperature Factors affecting for temperature. Possible result of excessive temperature. Condition for taking oral, axillary, groin and rectal temperature. [2 hr]
- c Discuss method of taking pulse. Sites to take pulse. Normal pulse rate according to age. Relation of pulse to temperature/respiration. Condition causing variation, [2 hr]
- d Discuss method of counting respiration. Normal respiration rate. Types of respiration. Relation of respiration to pulse & temperature. Condition causing variation. [2 hr]
- e Discuss method of taking B.P. Normal blood pressure in different age group. Condition causing variation. [2hr]
- f Explain types, procedure, indications, required materials and importance of dressing bandage and splint. Process of removing. Methods of disposing. [2 hr]
- g Discuss definition, methods, route and importance of injection. Sites of giving injection. Possible complication of injection. [3hr]
- h Discuss required materials and methods of giving IV cannulation. Sites of giving IV cannulation. Precaution [3 hr]
- i Discuss definition, indication and importance of suturing. Types of suturing. Process of suturing. Removal of suturing. [3 hr]
- j Discus definition, Type, Indication, procedure and material of catheterization. Care of catheter. Contraindication.[ 2 hr]
- k Explain indication, procedure and materials required for NG (Ryles) tube. [2hr]

**I Explain and demonstrate first aid management of the following emergency condition [20 hr]**

- Shock
- Poisoning (insecticides, rodenticides, drugs, alcohols, plants, animal bites and sting).
- Snake bite
- Injury
- High fever
- Haemorrhage
- Thermal and chemical burns
- Frostbite
- Fracture and dislocations
- Heatstroke
- Heart attack
- Rabid animal bites
- Drowning
- Acute mountain sickness
- Epistaxis
- Drowning
- Diabetic Emergencies
- Seizures
- Resuscitation Basic life support (BLS)
- Loss of consciousness
- Acute gastroenteritis

**Reference books [Latest Editions]**

1. Adepu R. Community Pharmacy Practice. PharmaMed Press/BSP Books.
2. Rutter P, Newby D. Community Pharmacy. Elsevier Health Sciences.
3. Gupta A.K. Handbook of Health Education and Community Pharmacy. CBS Publishers & Distributors.
4. Saini R. TheTextbook Community Pharmacy. New Age International Pvt Ltd.
5. Gokhale S.B. Gokhale A. Dispensing and Community Pharmacy. Nirali Prakashan.
6. WHO Publications: Role of Pharmacist in Health Care, Good Pharmacy Practice, Operational principle for good procurement practice, WHO Revised drug strategies, etc.
7. Le T, Bhushan V, Sochat M, Kallianos K, Chavda Y, Zureick AH, Kalani M. First aid for the USMLE step 1 2015. New York: McGraw-Hill Medical.
8. Jones S.A. First Aid, Survival, and CPR: Home and Field Pocket Guide. F.A. Davis Company.