

**Maulana Abul Kalam Azad University of Technology, West Bengal**

*(Formerly West Bengal University of Technology)*

**Syllabus for Master of Hospital Administration (MHA)**

**(Effective for Academic Session 2019-2020)**

**FOURTH SEMESTER**

**HEALTH ECONOMICS**

Paper code- MHA (N) 401

Total Hours-30

Credit-3

Unit 1: (10 L)

- Introduction to Managerial Economics - Meaning, nature and scope, business decision making- role of a manager, fundamental concepts of Managerial Economics.
- Demand and Supply Analysis - meaning, determinants and types of demand, supply meaning, Law of supply, Elasticity of demand (Price, income and cross price).
- Shifts in Demand and Movement along demand curve, Change in Total Revenue, AR, MR and Price elasticity, Classification of goods: Substitutes and Complements.

Unit 2: (10 L)

- Health Economics: Definition, Scope & Objectives, Demand & Supply for Health Services.
- Health as a private and a public good. Investment in Public & Private Health, Pattern of Health expenditure in India,
- Health Financing from various sources –Public, Private, TPA.
- Health care Market Structures- Market models in different aspects of health care, cases of market failure, roles and limitations of market and government in the organization of health care.

Unit 3: (10 L)

- Principles of economic evaluation as applied to health care: Cost effectiveness analysis, Cost Benefit Analysis, Input- output Analysis
- Population, Health & Economic Development. HDI: Concept and application
- Quality of life and statistics in health economic evaluation including QALY's and DALY's.

**Suggested Books:**

1. Damodaran, Suma – Managerial Economics – Oxford University Press
2. Pindyck and Rubinfeld (Sixth Edition) - Micro Economics – Prentice Hall of India Pvt. Ltd/Pearson Education Salvatore,
3. Dominick - Managerial Economics in a Global Economy –Oxford University Press

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4. Health Economics in India Hardcover – by [Prasant Panda](#) (Editor), [Himanshu Rout](#) ,  
Publisher: New Century Publications; 1 edition
5. Michael Drummond and et al, Methods for the Economics Evaluation of Health Care  
Programme (Oxford University Press, Second Edition)

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**DISASTER MANAGEMENT**

Paper code- MHA (N) 402

Total Hours-30

Credit-3

1.CONCEPT AND BASICS OF DISASTER MANAGEMENT AND MASS CASUALITIES (3L)

- i) Disaster management
- ii) Floods, storms, hurricanes and tornadoes, earthquake, clouds of toxic, fumes
- iii) Manmade disaster
- iv) Health problems related to the type of disaster .

2.DISASTER AND DISASTER PREPAREDNESS PLAN (4L)

- i) Definition
- ii) Disaster preparedness plan

3.DISASTER MANAGEMENT – AN OVERVIEW (4L)

- i) Changing concept
- ii) Global scenario
- iii) Indian scenario
- iv) Trend in disaster mortality
- v) Need for disaster planning
- vi) Disaster management in state level

4.MEDICAL DISASTER STRATEGIC PLAN(ESSENTIALS FOR EFFECTIVE IMPLEMENTATION): (3L)

- i. Objective of a disaster plan
- ii. Principles of a disaster plan
- iii. Essential requisites and disaster plan
- iv. Assessment of disaster preparedness
- v. Recent proposal and actions
- vi. Recent advantages
- vii. Hospital disaster plan- a suggested model
- viii. Training and mock exercises

5.FIRE SAFETY IN HEALTHCARE FACILITY (4L)

- i. Construction requirement
- ii. Fire safety programming
- iii. Detection and extinguishments system
- iv. Fire extinguishments system
- v. Fire protection for fixed, building wide system
- vi. Environmental air building service system

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- vii. Electric building service system
- viii. Fixed localized system
- ix. Emergency communication system
- x. Fire safety system
- xi. Security consideration

**6.ROLE OF VARIOUS AGENCIES IN DISASTER MANAGEMENT (4L)**

- i. Organization of disaster management
- ii NGO
- iii International agencies
- iv Media

**7. HOSPITAL NETWORKING IN DISASTER MANAGEMENT (4L)**

- i.Net working
- ii Advantages of networking
- iii Requisites of networking
- iv Components of networking
- v Essentials for effective networking

**8.PUBLIC HEALTH ISSUES IN DISASTER MANAGEMENT (4L)**

- i.Post disaster morbidity and mortality profile
- ii.Vulnerable groups
- iii.Relief measures
- iv Public health actions

**Recommended Books:**

- Preventive And Social Medicine- K. Park
- Hospitals Facilities Planning And Management- G.D Kunders
- Emergency Medical Services And Disaster Management- A Holistic Approach- P.K Dave, Shakti Gupta
- Disaster Management – S.C. Sharma, Khanna Publishing House
- Hospitals And Nursing Home Planning Organisation And Management- Syed Amin Tabish

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**Sessional**

**MHA (N) -491 Final Dissertation**

12 credits

This will be a 3 – months Research based project wherein students are expected to apply learning of Research methodology in addressing Health care management related problems in reality.

1.	Choice of subject/title, clarity about objectives, relevance, scope and coverage of the study
2.	Design of the study and Methodology
3.	Review of earlier work/literature available on the subject
4.	Tools used in data collection (primary and secondary) and field work
5.	Analysis and interpretation of data: use of quantitative techniques and tools in data processing
6.	Findings of the research study, recommendations, suggestion, usefulness of study
7.	Language Composition and Presentation of research paper
8.	Adherence to the guidelines provided for developing research paper
9.	Overall quality of the research paper and its potentiality for publication in a refereed journal

**MHA (N) -492 Comprehensive Viva Voice**

6 credits