

# GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm

SEMESTER: III

Subject Name: Health Education & Community Health

Subject Code: 2230005

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	Theory		Practical	
				External	Internal	External	Internal
3	0	0	3	80	20	0	0

Sr No	Course Contents	Total Hrs
	<b>Health Education</b>	
1	Concept of health: Definitions of health, Dimensions of health, determinants of health, indicators of health.	4
2	Health care of the community: concept of health care, health system (levels of health care – primary, secondary and tertiary), elements and principles of primary health care, health for all, national strategy for HFA / 2000.	3
3	Nutrition and health- Classification of foods , proteins- functions, sources, requirements & diseases, Fats – classification, sources, functions, fats and diseases, requirements, Carbohydrates, dietary fibres Vitamins- functions, sources, deficiency, requirement, Minerals and trace elements – source, functions, deficiency, requirements , Nutritional requirements - Recommended Daily Allowance , food guide pyramid	10
4	Occupational Health- health of the worker, occupational hazards and diseases, measures for health protection of workers, medical measures for prevention of occupational diseases	4
5	Concept of disease concept of causation, natural history of disease (Prepathogenesis and pathogenesis phase, agent factors, host factors, environmental factors, risk factors, risk groups, spectrum of disease, iceberg of disease), concepts of disease control, concepts of prevention Mode of intervention. List of communicable and non-communicable diseases.	4
6	Communicable diseases : Brief outline, their causative agents, modes of transmission, symptoms and prevention- Respiratory infections ( Chicken pox, measles, influenza, diphtheria, whooping cough, SARS, tuberculosis) , Intestinal infections ( poliomyelitis, helminthiasis, Hepatitis, Cholera, Typhoid, Amoebiasis, Food poisoning ), Arthropod borne infections (Dengue, Malaria, Filariasis), Zoonoses ( Rabies, Plague), Surface infections (Trachoma, Tetanus, Leprosy, Syphyllis, Gonorrhoea and AIDS). Hospital acquired infections	12
7	Principles of Epidemiology and it's methods- Definition, Aims, approach, epidemiologic methods ( Observational, experimental), uses of epidemiology.	5
8	Demography – concepts and importance, Demography cycle	1

<b>9</b>	First Aid: Emergency treatment of shock, snake bites, burns, poisoning, Fractures and resuscitation methods.	2
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**References Books:**

1. Textbook of Preventive and Social Medicine by K. Park. 20<sup>th</sup> Edition
2. Health Education and Community Pharmacy by P. C. Dandiya, Z. Y. K. Zafer, Afifa Zafer 2005 onwards
3. Basics of Education and Community Pharmacy by Dr. R. K. Goyal 4<sup>th</sup> edition