

YEAR II, SEMESTER III		MAY 1984 a
OBJECTIVES	CONTENT GUIDE	LEARNING ACTIVITIES
<ol> <li>a. Describe health problems, related to temperature, which are common to Canadians.</li> <li>b. Relate these problems to the appropriate stimuli and responses.</li> </ol>	Hypothermia - neonatal (cold stress) - exposure, frost bite Heat Stroke Heat Exhaustion Infections (see protection) Malignant hyperthermia	Study assignments for this unit: Kozier & Erb, Fundamentals of Nursing pp. 166, 201, review 240-2, 248-9, 251 & 381-392.
		Waley and Wong, Nursing Care of Infants, and Children pp. 60, 242, 314-15 (sensation of heat)
		Reeder et al, Maternity Nursing pp. 19, 348, 445-6
2. Describe ineffective responses related to temperature.	Hypothermia, Hyperthermia Sensory changes - "aches" - sensorium changes - convulsions - malaise - during anaesthesia	
Describe the stimuli which commonly result in adaptive and ineffective responses related to temperature.	a) age/developmental stage: neonate, premature neonate; elderly b) genetics i) heredity: eg., as in malignant hyperthermia ii) autoimmunity c) neoplasms: of hypothalamus or medulla	

MAY 1984

## OBJECTIVES CONTENT GUIDE

LEARNING ACTIVITIES

- d) micro-organisms: release of endotoxins which irritate cells of medulla
- e) allergens
- f) immobility: eg., inability to regulate external temperature
- g) psychological: eg., some disorders may alter perceptions of heat and cold
- h) health status: eg., ineffective responses in cardiovascular system; hyper-/hypothyroidism
- i) socio-cultural: eg., financial restrictions

## 2. External

- a) environmental: extreme variations of heat or cold
- b) iatrogenic: vasodilating drugs, sedative and tranquilizing drugs; ineffective responses affecting autonomic nervous system
- c) trauma: eg., head injury, surgery

4. Explain the relationship of the stimuli to the adaptive and ineffective responses of Canadians with common problems related to

temperature.

## Fever

- adaptive
- ineffective
Temperature to touch
Colour
Perspiration
Eyes
Chills; "goose bumps"; chattering teeth

Pulse Respirations Blood Pressure Heat production Heat loss REGULATION: TEMPERATURE

MAY 1984 **OBJECTIVES** CONTENT GUIDE LEARNING ACTIVITIES 5. Describe the temperature functions which are affected by adaptive and ineffective responses and the related stimuli. 6. Identify the diagnostic Temperature measures related to temperature. 7. Describe the use, actions and See drug list under side effects of medications temperature-antipyretics which promote adaptation See drug text. related to temperature. 8. Describe the application of Hot water bottle heat and cold as therapeutic Ice pack measures. Compress Sitz bath Electric pad Cooling and warming blankets Radiant heater Incubator Heat lamp 9. Discuss current areas of Therapeutic hypothermia research realated to Therapeutic hyperthermia temperature. - cancer