

Veer Narmad South Gujarat University, SURAT.

A New IDS for **T. Y. B. Sc.** As per CBCS

Health Science Semester - V

Unit : I Introduction to Health.

- Concept of health, Definition, WHO definition.
- Dimension of health, Positive health.
- Determination of health, Responsibility for health.
- Health and development.

Unit : II Introduction to Diseases.

- Concept of disease, Germ theory, Causative factors.
- Changing pattern of disease.
- Types of infectious disease, Dynamics of disease transmission.
- Mode of transmission.

Unit : III Non infectious disease.

Definition, Classification or types, Risk factor or cause & prevention

- Coronary heart disease.
- Diabetes.
- Hyper tension, obesity.
- Cancer.

Unit : IV Nutrition and health

- Nutritional requirement, Balance diet & RDA.
- Major food factor (Carbohydrates, Proteins & Fat)
- Minor food factor (Vitamins & trace elements)
- Nutritional problems/Malnutrition, Low birth weight, Anemia, Protein malnutrition etc.

REFERENCE BOOKS

Park's Textbook of Preventive & Social Medicine by Park
Anatomy & Physiology for Nurses by Smith (ELBS)
Text book of Medical Biochemistry by Chatterjee (Jaypee)
Harper's illustrated Biochemistry 26th edition (MacGraw-Hill)
Food & Nutrition volume – I & II by Swaminathan (Bappco)
Anatomy, Physiology & Health education by Rahul Phate (Career)

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Health Science Semester - VI

Unit : I Infectious disease.

Causative agent, epidemiology, symptoms, treatment & prevention of

- Air borne infection – TB, Pneumonia, ARI, Chicken pox
- Food & Water borne infection – Cholera, Typhoid, Polio, Hepatitis
- Skin, STD & zoonosis – Gonorrhoea, AIDS, Rabies
- Parasitic infection – Amoebiasis, Malaria, Ascariasis, Hook worm

Unit : II Environment and health:

- Water sources, pollution, purification.
- Water Quality and standards.
- Composition of air, Air pollution and control.
- Disposal of wastes - solid and liquid.

Unit : III Occupational health:

- Occupational hazards.
- Occupational diseases due to physical agent.
- Occupational diseases due to chemical agent.
- Occupational diseases due to biological agent.

Unit : IV Health care & health education:

- Hygiene, sanitation, immunization.
- Communication Process.
- Types of communication.
- Aims and objectives of health education.

REFERENCE BOOKS

Park's Textbook of Preventive & Social Medicine by Park
Microbiology, sixth edition by Prescott, Harley & Klein (McGraw-Hill)
Microbiology by Pelzar, Chan & Kreig (Tata McGraw-Hill)
Anatomy & Physiology for Nurses by Smith (ELBS)
Review of Medical Microbiology by Jawetz & Melnick (Lange)
Anatomy, Physiology & Health education by Rahul Phate (Career)

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