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HUMAN DISEASES

GENERAL SCIENCE

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HUMAN DISEASES

Diseases and Disorders due to Lifestyle Modifications

- Diseases are prevalent in our society due to our **improper way of living**, conditions of stress and strain.
- These diseases are **non-communicable** and affect the person who is suffering from particular symptoms.

Diabetes Mellitus

- Diabetes mellitus is a **chronic metabolic disorder**. In Greek (Diabetes – running through; mellitus- sweet).
- Type-1 Insulin Dependent Diabetes Mellitus (IDDM)
- Type-2 Non-Insulin Dependent Diabetes Mellitus (NIDDM)

Prevention and Control of Diabetes

- **Diet, hypoglycemic drugs, insulin injection** and exercise are the management options based on the type and severity of the condition.

Obesity

- Obesity is the state in which there is an accumulation of **excess body fat** with an abnormal **increase in body weight**.

Heart Disease

- **Cardiovascular disease (CVD)** is associated with diseases of the **heart and blood vessels**. Coronary heart disease (CHD) is the most common form and is caused by deposition of cholesterol in the blood vessels.

Cancer

- Cancer causes about **4 million deaths** annually throughout the world. In India more than one million people suffer from cancer. Cancer is derived from Latin word meaning crab.

Treatment of Cancer

- **Surgery:** Tumours are removed by surgery to prevent further spread of cancer cells.
- **Radiation therapy:** Tumour cells are irradiated by lethal doses of radiation while protecting the surrounding normal cells.

Transmission of HIV

- AIDS virus has been found in urine, tears, saliva, breast milk and vaginal secretions.
- The virus is transmitted by an infected patient who comes in contact with blood of a healthy person.

Symptoms and Treatment of AIDS

- **Symptoms:** Infected individuals become immune deficient.

AIDS (Acquired Immune deficiency Syndrome)

- AIDS is a severe viral disease and caused by **Human Immunodeficiency Virus (HIV)**.