



e-Raktkosh Portal

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Why in News

Recently, the Union Health minister urged the use of the **e-Raktkosh portal** as a single point for maintaining real-time information on the **status of stocks of each blood group**.

- The Health Minister has termed the availability of blood in blood banks as '**essential**'.
- In several blood disorders like **thalassemia and haemophilia** regular transfusion of the blood is necessary.

Key Points

- **e-Raktkosh portal** is a Centralized Blood Bank Management System.
- **It is a comprehensive IT solution** to standardize and streamline the standard operating procedures, guidelines and workflow of blood banks across the nation.
- It was inaugurated on 7th April 2016 by then Minister of Health and Family Welfare (MoHFW)
- It enforces **Drug & Cosmetic Act, National blood policy standards** and guidelines ensuring proper management of blood.
- e-Rakt Kosh has components for management of the blood donation life cycle which includes :
 - The biometric Donor Management System
 - Blood grouping,
 - TTI screening,
 - antibody screening,
 - A centralized Blood Inventory Management System
 - Bio-Medical Waste Management System for disposal of discarded blood

Blood Disorder

- A **blood disorder** is any condition that impacts one or more parts of the blood, usually interfering with its ability to work correctly.

- Blood disorder can be categorised as **Common Blood Disorder** like anaemia and **Rare Blood Disorder** like thalassemia.
- **Types of Blood Disorder**
 - **Blood Disorders Affecting Red Blood Cells like** Anemia, Pernicious anemia (B12 deficiency), Aplastic anemia, Autoimmune hemolytic anemia etc.
 - **Blood disorders that affect White Blood Cells like** Lymphoma, Leukemia, Multiple myeloma.
 - **Blood Disorders Affecting Blood Plasma like hemophilia**
 - **Blood Disorders Affecting Platelets like thrombocytopenia.**