

# DISORDER OF BLOOD

1. Blood cancer

2. Anemia

3. Haemophilia

**3. MYELOMA-** cancer originate in the plasma cells of bone marrow

- *Plasma cell are W.B.C that produces antibodies*
- When myeloma cell prevent normal production of antibody the immune system is weakened & there is an interference with the normal production & function of the red & white blood cells [DEPTH OF BIOLOGY]

- Patient often have bone pain & fracture, anemia & susceptibility to infection
- A single cell plasma cell tumor is called a **ISOLATED/SOLITARY plasmacytoma.**
- more than one plasmacytoma = multiple myeloma.

**4.LEUKEMIA-** is a cancer of blood including the bone marrow & lymph nodes.

- Bone marrow produces abnormal W.B.C. That fail to provide immunity- causing the patient to be prone to infection
- R.B.C. Also affected can cause poor blood clotting and fatigue from anaemia [DEPTH OF BIOLOGY]

**5. LYMPHOMA-** cancer of the lymphatic system develops in the glands or lymph nodes.

- Immune cell [system] is unable effectively guard against infection

[DEPTH OF BIOLOGY]

### 2 types

HODGKIN'S LYMPHOMA

NON-HODGKIN'S LYMPHOMA

- The cancerous cells of HODGKIN's lymphoma crowd out the normal white cells & the immune system is unable to effectively guard against infection

**# THIS 2 TYPE OF LYMPHOMA IS DIFF. BY BIOPSY OF A LYMPH NODE**

[DEPTH OF BIOLOGY]