1. Write a note on multiple myeloma.

***Answer:***

***Multiple myeloma:***

* *Multiple myeloma is a cancer that forms in a type of white blood cell called a plasma cell.*
* *It is also known as Kahler’s disease.*
* *Plasma cell help you fight infections by making antibodies that recognize and attack germs.*
* *Multiple myeloma causes cancer cells to accumulate in the bone marrow where they crowd out healthy blood cells.*
* *The cancer cells produce abnormal proteins that can cause complications.*
* *The weak areas that this creates in your bones are called lytic lesions.*
* *As multiple myeloma gets worse the plasma cells spill out of your bone marrow and spread which causes more organ damage.*

***Symptoms:***

* *Bone pain*
* *Weakness and fatigue*
* *Weight loss*
* *Upset stomach*
* *Constipation*
* *Confusion*
* *Severe thirst*
* *Numbness in arms and legs*

***Daignosis:***

* *Too much calcium in your blood.*
* *Too few red blood cells*
* *Kidney problems*
* *High total protein levels in your blood but low levels of one called albumin.*

***Risk factors:***

* *You’re older than 65*
* *You’re male*
* *You have a family member with it*
* *You are over weight*
* *You have been exposed to radiation*

***Treatment:***

*To treat multiple myeloma we have options include:*

* *Targeted therapy*
* *Biological therapy*
* *Chemotherapy*
* *Corticosteroids*
* *Bone marrow transplant*
* *Radiation therapy*