

Vidya Bhawan Balika Vidyapeeth Lakhisarai

Arun Kumar Gupta

Class 12th

Sub. Biology

Date:- 12.11.20

IV. Fungal Disease

Ringworm is caused by many fungi of genera Microsporum, Trichophyton and Epidermophyton.

(i) Infection occurs through contact with an infected person or from soil and through the use of towels, clothes, combs, etc., of an infected person.

(ii) Heat and moisture help these fungi to grow in regions like skin folds as in groin or between the toes.

(Hi) Symptoms of ringworm are appearance of dry, scaly lesions on various parts of the body such as skin, nails and scalp accompanied by intense itching.

V. Helminthic Diseases

(i) Ascariasis is caused by an intestinal endoparasite of human, *Ascaris lumbricoides* commonly called as roundworm.

(a) Infection occurs as the eggs of parasite are excreted along with the faeces of infected person, which contaminate water, soil, plants, etc.

(b) Infection reaches to human beings through contaminated vegetables, fruits and water, etc.

(c) Symptoms of disease are abdominal pain, indigestion, muscular pain, fever, anaemia, nausea, headache and blockage of intestinal passage.

(ii) Filariasis/Elephantiasis is caused by filarial worms, *Wuchereria bancrofti* and *Wuchereria malayi*.

(a) *Culex* mosquito (female) is the vector.

(b) Genital organs also get affected leading to their deformation.

(c) Symptoms are inflammation of organs in which they live for many years, normally affect lymph vessels of lower limbs resulting in swelling hence, called elephantiasis.