**NORTH POINT SENIOR SECONDARY BOARDING SCHOOL; RAJARHAT**

**Class : XII Science (2020-21)**

**Subject : Biology**

**Assignment of chapter 8: "Human Health and Diseases"**

**Write the answers of the following questions:**

**1. Write the Causal organism, Mode of infection, Site of infection, Two specific symptoms, Few general symptoms of:**

 **i) Typhoid,**

 **ii) Pneumonia,**

 **iii) Common cold,**

 **iv) Malaria,**

 **v) Amoebic Dysentery,**

 **vi) Ascaris,**

 **vii) Elephantasis (Filariasis),**

 **viii) Round worm.**

**2. What is the significance of Gambusia fish?**

**3. Name the Scientific name of the vector of :**

**a) Dengue**

**b) Chickengunia**

**c) Malaria**

**d) Filariasis**

**4. Differentiate between: (Three differences each)-**

**a) Innate/inborn immunity and acquired immunity**

**b) Immunisation and Vaccination**

**c) Primary response and Anamenestic response**

**d) AMI and CMI**

**e) B-lymphocytes and T-lymphocytes**

**f) Self cells and Non-Self cells**

**g) Primary and Secondary Lymphoid organs.**

**h) Primary host and secondary host**

**i) Carrier and Vector**

**j) Disease-free and Healthy**

**k) Infectious disease and non-infectious disease.**

**l) Sporozoite and Gametocytes**

**5. Write the importance of Immuno-suppresants in grafting.**

**6. Which type of immunity is responsible for graft rejection?**

**7. Write the symptom associated with haemozoin.**

**8. Describe the structure of H2L2.**

**9. Write the mechanism of Allergy.**

**10. Enlist five examples of Autoimmune diseases​.**

**11. Expand MALT.**

**12. What do you mean by Peyer's patches?**

**13. Name two types of cells in our body which is been targeted by HIV.**

**14. Give two Scientific names of pathogen which is usually observed to infect HIV positive patients.**

**15. What do you mean by Opportunistic​ infection?**

**16. Expand NACO, MRI, CT and ELISA.**

**17. What is the slogan of NACO? Also mention about its awareness program.**

**18. What is the incubation period of HIV and write the literal meaning of "Syndrome".**

**19. Write any three causes of HIV infection.**

**20. Name the test and it's principle to detect AIDS-HIV.**

**21. Differentiate between:**

**(i) Benign tumor and malignant tumor.**

**(ii) v-onc and c-onc.**

**(iii) Malignant cell and normal cell w.r.t. contact inhibition.**

**(iv) Heroin and Morphine**

**22. What do you mean by Carcinogen.**

**23. What are the causes, diagnosis and treatment of Cancer?**

**24. Define Metastasis.**

**25. What do you mean by cirrhosis and withdrawal symptoms?**

**26. Give two names of drug which is abused by sportsperson.**

**27. How cocaine is categorised both under Stimulants as well as Hallucinogens?**

**28. Enlist any 10 effects/symptoms each that happens to male and female when they are drug abused.**

**29. List any 10 warning signs of drug and alcohol abuse.**

**30. Give any five measures to prevent and control durg abuse.**

**31. Name the drug which is used as the treatment of any AIDS patients.**

**32. Write any five ways of the action of Nicotine abuse.**