**Unit 1 – Introduction to the Immune System (Notes)**

**1.1 – Innate and Adaptive Immunity**

**(Basic’s - PPT of the lecture added- for the flow and topics to be studied)**

**(Be careful of the topics that were taught during the lectures) (I need y’all to study and make notes of the topics which were discussed)**

<https://byjus.com/biology/immunity/>

<https://www.onlinebiologynotes.com/immunity-types-innate-acquired-immunity/>

<https://microbenotes.com/innate-immune-system-an-introduction/>

<https://bio.libretexts.org/Bookshelves/Microbiology/Book%3A_Microbiology_(Kaiser)/Unit_5%3A_Innate_Immunity/11.1%3A_The_Innate_Immune_System%3A_An_Overview>

<https://en.wikipedia.org/wiki/Adaptive_immune_system>

<https://www.ncbi.nlm.nih.gov/books/NBK21070/>

<https://www.notesonzoology.com/immunology/adaptive-immunity/adaptive-immunity-meaning-attributes-and-components-zoology/4720#:~:text=In%20contrast%20to%20innate%20immunity,it%20is%20called%20adaptive%20immunity>.

**1.2 – Antigen Processing and Presentation:**

**(PPT added for the flow and topics)**

<https://www.onlinebiologynotes.com/antigen-processing-and-presentation-cytosolic-and-endocytic-pathway/>

**Pick up the exact notes from here. It’s the exact crisp one**.

**1.3 – Contemporary Challenges to the Immune System**

(As discussed during the lectures)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5091071/>

<https://www.chop.edu/centers-programs/vaccine-education-center/human-immune-system/what-happens-when-immune-system-does-not-work-properly>

<https://my.clevelandclinic.org/health/articles/21196-immune-system>

**1.4 – Infectious Disease**

Basics only. (What are they, types, examples, symptoms/cure/prevention)

<https://byjus.com/biology/infectious-diseases/>

<https://www.yourgenome.org/facts/what-are-infectious-diseases/>

**1.5 – Autoimmune Disease**

What do we need to know here?

- Introduction (What)

- Principle (How and Why)

- An Example (Your assignment)

- How are they different from other type of diseases? (What makes autoimmune diseases so different?)

- Any tests with results ? (You can include the tests and expected result of any autoimmune disease)

- Common Symptoms

<https://www.diabetes.co.uk/autoimmune-diseases.html>

<https://microbenotes.com/autoimmune-disease/>

<https://www.webmd.com/a-to-z-guides/autoimmune-diseases>

<https://www.medicalnewstoday.com/articles/311852#diagnosis>

**1.6 - Categories of Vaccine**

(2 PPT’s added) (Flow and types)

<https://microbenotes.com/vaccines-introduction-and-types/>

<https://www.vedantu.com/biology/vaccine>

<https://www.onlinebiologynotes.com/vaccine-characteristics-and-types-of-vaccine/>

**Books added:**

Immunology – Kuby

Immunology – Abbas (Super Basic and Easy) (Start with this book)

Immunology – Peter