



RASHIDA IQBAL FINANCIAL AID **ORGANIZATION**

Guidelines for Biochemistry-Reproduction Module

Recommended Books: Lipincott/Satyanaryana, Mushtaq.

For Nucleic Acid Metabolism, you can use either lipincott or satya, as per your choice, but lipincott is more recommended as standard book. Give a conceptual read to both purine and pyrimidine metabolisms, remember it in the form of flow charts. To remember the long list of intermediates is not very important in purine metabolism, but it is, nevertheless, interesting to remember them so you can use certain youtube videos where they help learn it on finger tips, systematically.

Important questions include:

- PRPP synthesis
- Purine salvage pathway
- Lesch-Nyhan Syndrome
- Gout
- Amino deaminase deficiency
- Regulation of pyrimidine synthesis
- Orotic aciduria

Disorders are more important, Give a read to the rest of the text.

For Reproductive Hormones, you can use mushtaq

Testosterone is given more importance in mcqs and seqs, where and how it is synthesized, what is its active product etc. so give a thorough read to it.

For Genetics, in this module following are the important questions:

- Lac Operon, how it is repressed and induced, its regulation under various conditions such as availability of glucose and lactose. (lipincott)
- Restriction endonucleases
- Procedure of Recombinant technology
- Types of mutations. (do this from both lipincott and satya)
- Temporal responses and its types (either from Harper or from any other source)

Remember in your prayers,

Regards.

Aimen Sami, Publications Representative, Batch 45.

