WELCOME

TO



This is an Education Platform

We provide Free PDF Notes and Videos Classes for Pharmacy Students

Web Site http://www.fdspharmacy.in/

You tube https://www.youtube.com/c/FDSpharmacy

What app https://chat.whatsapp.com/IzSgXtFEvhS4LN5xhUgq5z

Telegram https://t.me/Fdspharmacy

Face book https://www.facebook.com/615501075383l3/

E-mail fdspharmacyinfo@gmail.com

As Per New Syllabus ER 20

Diploma in Pharmacy 2nd Year

Pharmacotherapeutics Notes



All Chapter in One PDF

Visit our Website
WWW.fdspharmacy.in

As Per New Syllabus ER 20

Diploma in Pharmacy 2nd Year

Pharmacology Notes



All Chapter in One PDF

Visit our Website
WWW.fdspharmacy.in

As Per New Syllabus ER 20

Diploma in Pharmacy 2nd Year

Hospital and Clinical Pharmacy Notes



All Chapter in One PDF

Visit our Website
WWW.fdspharmacy.in

As Per New Syllabus ER 20

Diploma in Pharmacy 2nd Year

Community Pharmacy & Management Notes



All Chapter in One PDF

Visit our Website
WWW.fdspharmacy.in

As Per New Syllabus ER 20

Diploma in Pharmacy 2nd Year

Biochemistry & Clinical Pathology Notes



All Chapter in One PDF

Visit our Website
WWW.fdspharmacy.in

As Per New Syllabus ER 20

Diploma in Pharmacy 2nd Year

Pharmacy Law & Ethics Notes



All Chapter in One PDF

Visit our Website
WWW.fdspharmacy.in

Diploma in Pharmacy 2nd Year
Pharmacotherapeutics
Chapter 2 (1) : Anti Microbial Resistance (AMR)

Topics	Page No
Anti Microbial Resistance (AMR)	3
Types of Anti Microbial Resistance	3
Causes of Anti microbial Resistance	3

FDSPharmacy
Learn and Educate

Chapter 2 (1)

Anti Microbial Resistance (AMR)

- Introduction Anti microbial resistance is the ability of microorganism (like Bacteria viruses , fungus) to stop in microbial drug (antibiotics , antivirus anti malarial etc.) from working against it . And as a result the standard treatment of chemotherapy became ineffective and thus the infection persist in the body and increases the risk of transmission to other.
- The bacteria become antibiotic resistant and infect the human and animal and this infection is harder to treat than those caused by the non resistant bacteria .
- Antibiotic resistance or anti-microbial resistance leads to higher medical cost , prolong hospital stay , and increase mortality rate.

Types of Anti Microbial Resistance

- **Multi drug resistance (MDR) :** It is anti microbial resistance shown by a species of microorganism to at least 1 anti microbial drug in 3 or more anti microbial categories (beta lactam , macrolides , Tetracycline etc.)
- **Extensively drug resistance (XDR) :** The bacteria are classified in this category if they are resistant to all anti microbial agents except in two or less anti microbial categories
- **Pandrug resistance :** The bacteria are classified in this are resistant to all anti microbial agents in all antimicrobial categories.

Causes of anti microbial resistance

- It occurs naturally
- Non resistance bacteria multiply by the billions , a few of them will mutate , some mutation make the bacterium drug resistance
- Misuse and overuse of antibiotics
- Not taking complete course of antibiotics
- Taking antibiotics in low dose than the prescribed dose
- Taking antibiotics for the infections are commonly self cured