

# WELCOME

TO



This is an Education Platform

We Provide PDF Notes for Pharmacy Students

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

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

Telegram <https://t.me/Fdspharmacy>

App <https://play.google.com/store/apps/details?id=com.FDSPharmacyMedia.FDSPharmacy>

E-mail [fdsparmacyinfo@gmail.com](mailto:fdsparmacyinfo@gmail.com)

## **Bachelor of Pharmacy Human Anatomy and Physiology II**

### **NOTES**

- ✓ Unit 1 **All Unit**
- ✓ Unit 2 **in**
- ✓ Unit 3 **One PDF**
- ✓ Unit 4
- ✓ Unit 5

Visit our Website  
[WWW.fdspharmacy.in](http://WWW.fdspharmacy.in)



## **Bachelor of Pharmacy Environmental Sciences**

### **NOTES**

- ✓ Unit 1 **All Unit**
- ✓ Unit 2 **in**
- ✓ Unit 3 **One PDF**
- ✓ Unit 4
- ✓ Unit 5

Visit our Website  
[WWW.fdspharmacy.in](http://WWW.fdspharmacy.in)



## **Bachelor of Pharmacy Pharmaceutical Organic Chemistry I**

### **NOTES**

- ✓ Unit 1 **All Unit**
- ✓ Unit 2 **in**
- ✓ Unit 3 **One PDF**
- ✓ Unit 4
- ✓ Unit 5

Visit our Website  
[WWW.fdspharmacy.in](http://WWW.fdspharmacy.in)



## **Bachelor of Pharmacy Computer Applications in Pharmacy**

### **NOTES**

- ✓ Unit 1 **All Unit**
- ✓ Unit 2 **in**
- ✓ Unit 3 **One PDF**
- ✓ Unit 4
- ✓ Unit 5

Visit our Website  
[WWW.fdspharmacy.in](http://WWW.fdspharmacy.in)



## **Bachelor of Pharmacy Pathophysiology**

### **NOTES**

- ✓ Unit 1 **All Unit**
- ✓ Unit 2 **in**
- ✓ Unit 3 **One PDF**
- ✓ Unit 4
- ✓ Unit 5

Visit our Website  
[WWW.fdspharmacy.in](http://WWW.fdspharmacy.in)



## **Bachelor of Pharmacy Biochemistry**

### **NOTES**

- ✓ Unit 1 **All Unit**
- ✓ Unit 2 **in**
- ✓ Unit 3 **One PDF**
- ✓ Unit 4
- ✓ Unit 5

Visit our Website  
[WWW.fdspharmacy.in](http://WWW.fdspharmacy.in)





# FDPharmacy

.....



Diploma in Pharmacy

Download



Bachelor of Pharmacy

Download

## D.Pharma B.Pharma

- 👉 PDF Notes
- 👉 Practical Manual
- 👉 Important Questions
- 👉 Assignment etc



Download Now



# www.fdpharmacy.in

# PATHOPHYSIOLOGY

## UNIT 3

TOPIC :

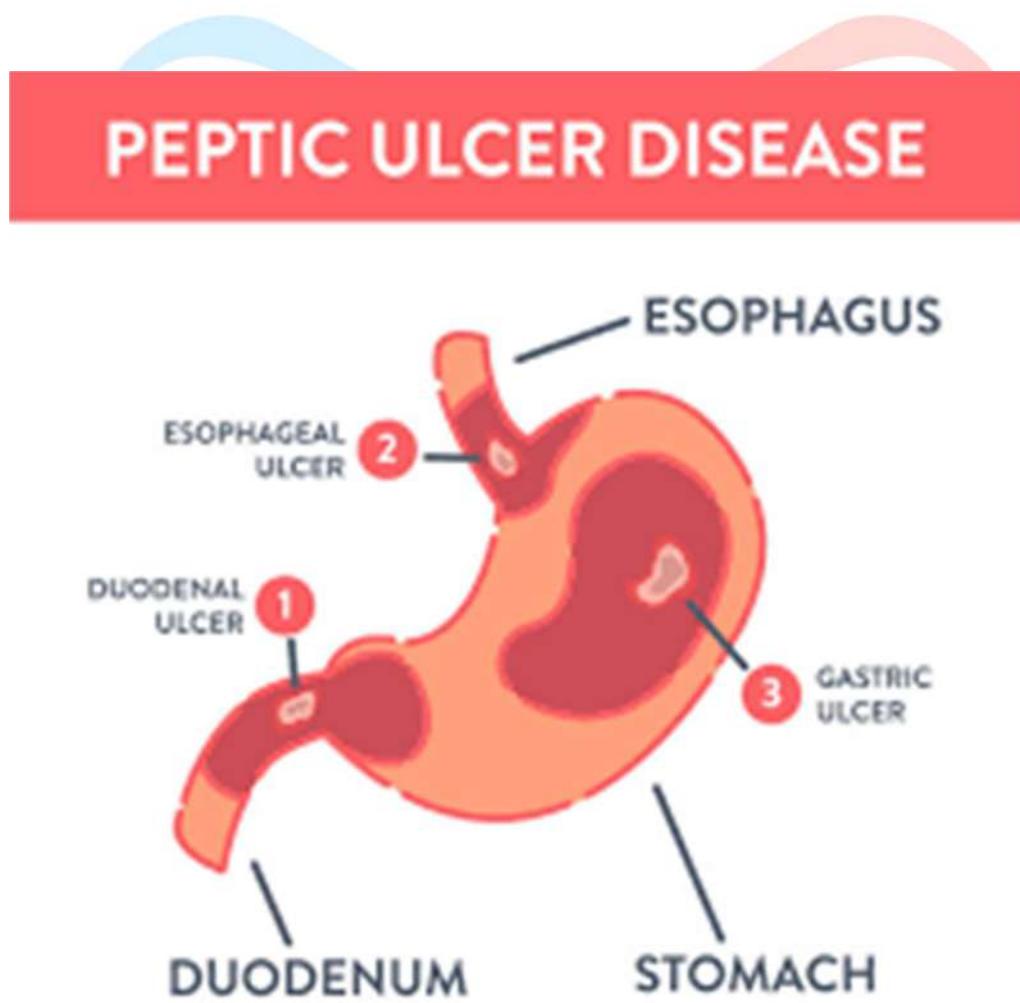
- **Gastrointestinal system : Peptic Ulcer**



# Gastrointestinal system

## Peptic Ulcer Disease

→ Peptic Ulcer is a condition in which a wound / Sore developed on the lining of the Oesophagus , stomach , or small intestine ( beginning part of intestine ).



### Etiology

- Helicobacter Pylori ( it infects and causes inflammation ).
- NSAIDs . ( Inhibit COX 1 )
- Smoking
- Alcoholism

- Radiotherapy

## Pathogenesis

Helicobacter pylori release toxin	NSAIDs
Cause Inflammation	Inhibits COX 1
Damage the defense mechanism	Reduce PG Secretion
ulcer Developed	Decrease Defense Mechanism
	Ulceration Developed

## Clinical Manifestations

- Pain in stomach
- Gastrointestinal Disorders
- Heartburn
- Appetite change
- Nausea , vomiting
- Dark or black stool due to bleeding
- Severe pain

## Non Pharmacological Management

- ❖ Diet :
  - Avoiding the foods that take a long time in digestion.
  - If blood or water loss occurred due to Diarrhoea or vomiting , they should be recovered
- ❖ Cessation of NSAIDs.
- ❖ Quitting smoking.

## Pharmacological Management

- ❖ **Antacids** : Aluminium hydroxide. magnesium carbonate. ,magnesium trisilicate. magnesium hydroxide. calcium carbonate. sodium bicarbonate.
- ❖ **H<sub>2</sub> Blocker** : cimetidine (Tagamet) , ranitidine (Zantac)\*\* nizatidine (Axid) famotidine (Pepsid)
- ❖ **PPI** : Omeprazole ,Esomeprazole ,Lansoprazole , Rabeprazole Pantoprazole.
- ❖ **Protective Drugs** : Carafate ( Sucralfate ) Pepto- Bismol ( Bismuth Subsalicylate ). It covers the wound and prevent further damage )
- ❖ **Antibiotics** : Imidazole , azithromycine , amoxicillin etc.

