UNIT-II 10hours

- 1. Pharmacology of drugs acting on cardio vascular system
 - a. Drug used in the therapy of shock.
 - b. Hematinics, coagulants and anticoagulants.
 - c. Fibrinolytics and anti-platelet drugs
 - d. Plasma volume expanders
- 2. Pharmacology of drugs acting on urinary system
 - a. Diuretics
 - b. Anti-diuretics.



UNIT- III 10 Hours

Anti-arrhythmic Drugs: Quinidine sulphate, Procainamide hydrochloride, Disopyramide phosphate*, Phenytoin sodium, Lidocaine hydrochloride, Tocainide hydrochloride, Mexiletine hydrochloride, Lorcainide hydrochloride, Amiodarone, Sotalol.

Anti-hyperlipidemic agents: Clofibrate, Lovastatin, Cholesteramine and Cholestipol

Coagulant & Anticoagulants: Menadione, Acetomenadione, Warfarin*, Anisindione, clopidogrel

Drugs used in Congestive Heart Failure: Digoxin, Digitoxin, Nesiritide, Bosentan, Tezosentan.

3.

COAGULANTS & ANTI- COAGULANTS

Coagulants > Those Agents who promote Clothing.

In General
Blood
Capillary

Bleeding

It forms Clot Within 70-120 Seconds-

Abnormal Condition

Blood
Capillary

(Abnomal)

Ilot formed. Coagulants

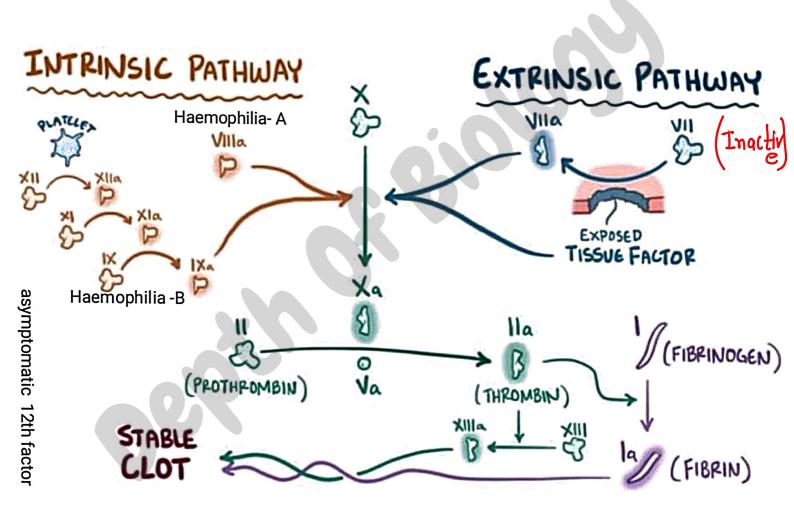
Types of Coagulants.

Local

Bystematic

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Blood Coagulation



 $7 \rightarrow 10 \rightarrow 2 \rightarrow 1 \rightarrow 139$

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a Local Coagulants. > Drugs which Utop the bleeding
in Local area.
eg -> Thrombin -> Powder is clusted Over Bleeding Sunface
b Bystemically => They are administered via Oral or
Parentral route a reaches into Systemic
Eg => Vitamin K Soluble Vitamin. Face lied la Ringu Havis of Wotting Forton.
Essential for Biosynthesis of Clotting Factor.
& Vitamin K (factor) KI => Present in food
sunthetic 12 > Produce in Gut by
Compound K3 Good Bacteria.
Used Therapeutically-

Used in the Case of Overdose of Anti-Coagulants drugs

Action of	Vitamin	K	\Rightarrow
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> Prothrombin & Factor a) Biosynthesis of Clotting Factor

VILIXIX. from Liver.

Use of Vitamin-K > In Case when bleeding is Continue

Clothing time more then Normal.

In Case of Overdose of Anticoagulant.

Vitamin K defficiency. > In New Born Babies. (Vitamin KI)

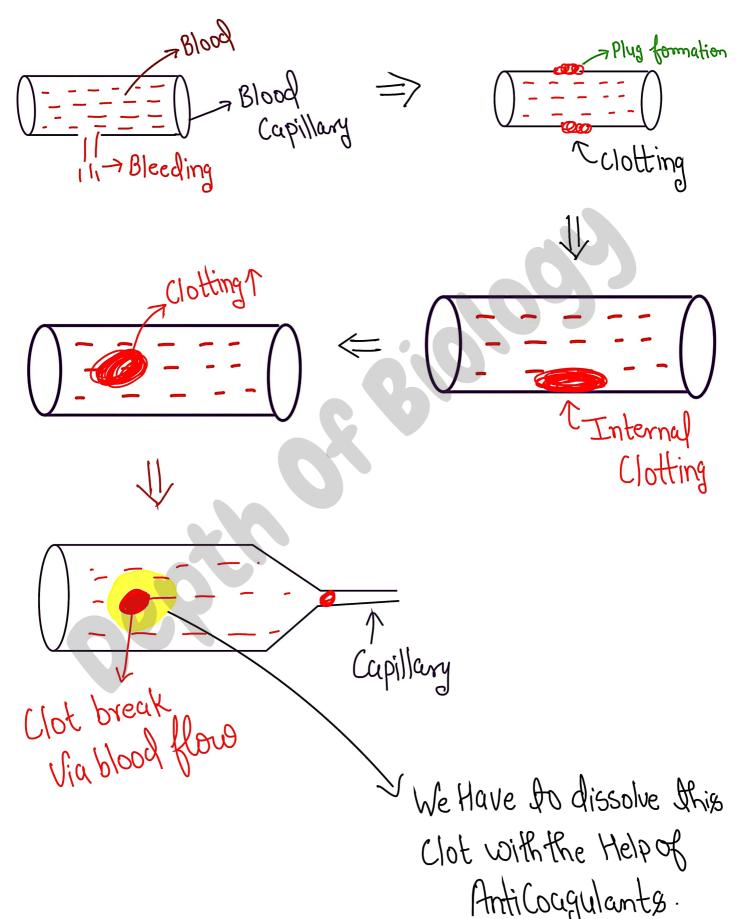
(ii) Fibringen > Obtain from Human plasma.

Use In Case of Haemophilia.

Anti-Coagulants. (Dissolve)
Opp./Inhibit Clotting.

A Those Agents which are Used to Inhibit Clotting.

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SHarp Object

When a Host are Come in Contact with SHarp Object. It may head to Cut.

Blood Vessle rupture & blood start to Release

Now, Coagulants Act on that particular site & forms a clot.

This, Clot formation prevent the further Blood Loss.

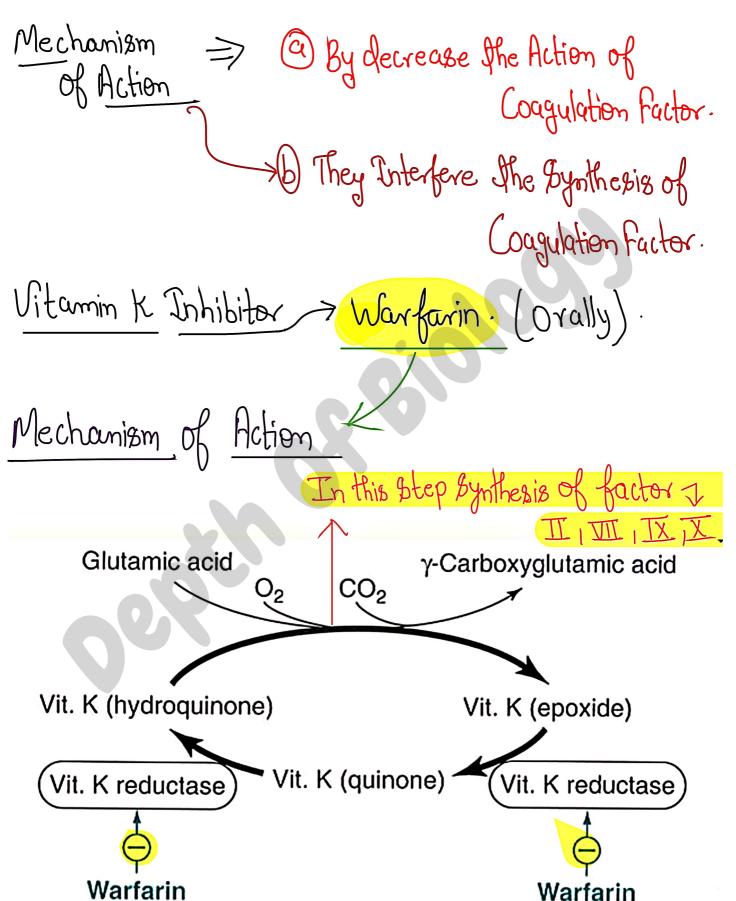
But, Sometime due to Known & Unknown Reason blood Clot is retained in blood Vessle.

And due to High blood flow. This clot is Break & stucked into Capillaries.

Lead to Reduce in blood flow (Ischemia, Hypoxia Condition devloped)

BOINE Prescribed Anticoagulants to dissolve this Types of Clots.
[Like Warfarin].

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