

# FIA Official Syllabus General Knowledge

## Vaccines - Medicines

# Diseases

## Diseases

Bacteria

Viruses

Paracites

Fungi

Protozoa

Prions

## Infections

Contagious

Endemic

Pandemic

## Protection

Vaccines

Immunization

## Treatment

Antibiotics

Vaccines

# Medicines

## ANTIBIOTICS

- The term “**Antibiotic**” means “**Against life**”
- The drugs work against **Bacteria, Fungi, and other microbes** that damage human tissues.
- **Penciline**, discovered in **1928 by Alexander Fleming**, was the **1<sup>st</sup> antibiotic** to be widely and Successfully used in the Systematic therapy of acute bacterial infections in Man.

# Top 10 List of Antibiotic Classes (Types of Antibiotics)

- Penicillin's
- Tetracycline's
- Cephalosporin's
- Quinolones
- Leucomycins
- Macrolides
- Sulfonamides
- Glycopeptides
- Aminoglycosides
- Carbapenems

# Vaccines

## VACCINES

- A substance used to stimulate the production of antibodies and provide immunity against one or several diseases, prepared from the causative agent of a disease, its products, or a synthetic substitute, treated to act as an antigen without inducing the disease.

## Immunization

- It is a Process of protecting the body against disease by means of Vaccines or serums.

# Most Important & Repeated MCQs

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# Vaccine Was discovered by \_\_\_\_\_?

- A. Louis Pasteur
- **B. Edward Jenner**
- C. Ivanowski
- D. Stanely



# Who discovered the Polio Vaccine?

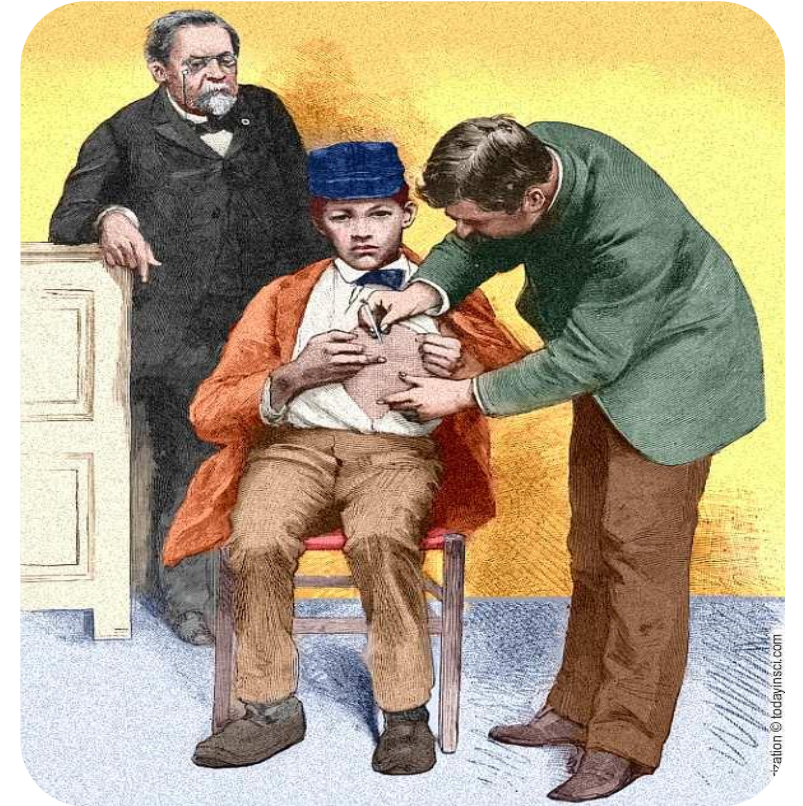
- A. Jonas Salk
- B. Jaber Ibn Hayan
- C. Selman Waksman
- D. None of these





# Pasteur developed the vaccine for \_\_\_\_\_?

- A. Anthrax
- B. Rabies
- C. Cholera
- D. All of the above



# Penicillin, an antibiotic drug was discovered by \_\_\_\_\_?

- A. Alexander Flemming
- B. Doctor Zhivago
- C. None of these



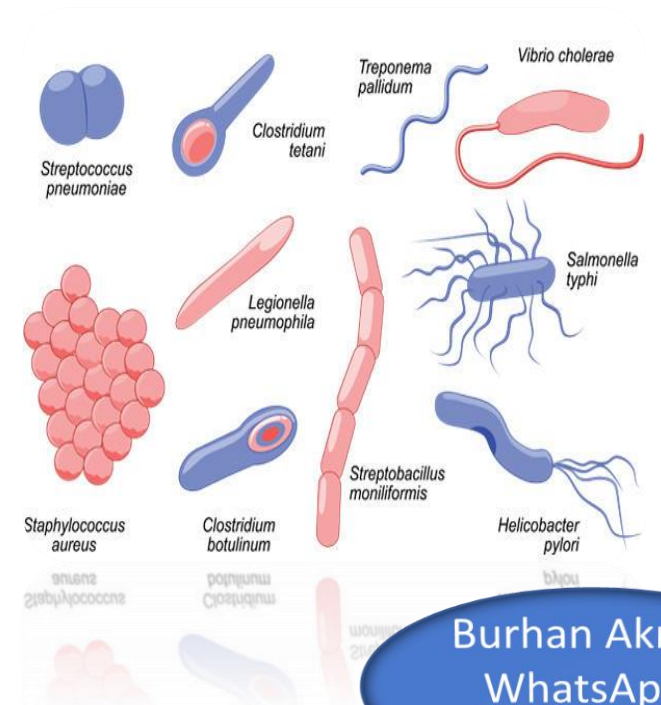
# The first antibiotic to be discovered was \_\_\_\_\_?

- A. Penicillin
- B. Cephalosporin
- C. Amino glycosides
- D. Erythromycin



# Which of the following statement is incorrect about antibiotics?

- A. They are used against microorganisms
- B. They are always effective against bacteria
- C. They are used in diseases like tuberculosis and pneumonia
- D. They are derived from bacteria only





# First antibiotic was extracted from a \_\_\_\_\_?

- A. Bacteria
- B. virus
- C. Fungus
- D. None of these



# Edward Jenner discovered 'vaccine' in \_\_\_\_\_?

- **A. 1796**  
B. 1978  
C. 1686  
D. 1933
- On May 14, 1796, Jenner took fluid from a cowpox blister and scratched it into the skin of James Phipps, an eight-year-old boy. A single blister rose up on the spot, but James soon recovered. On July 1, Jenner inoculated the boy again, this time with smallpox matter, and no disease developed. The vaccine was a success.

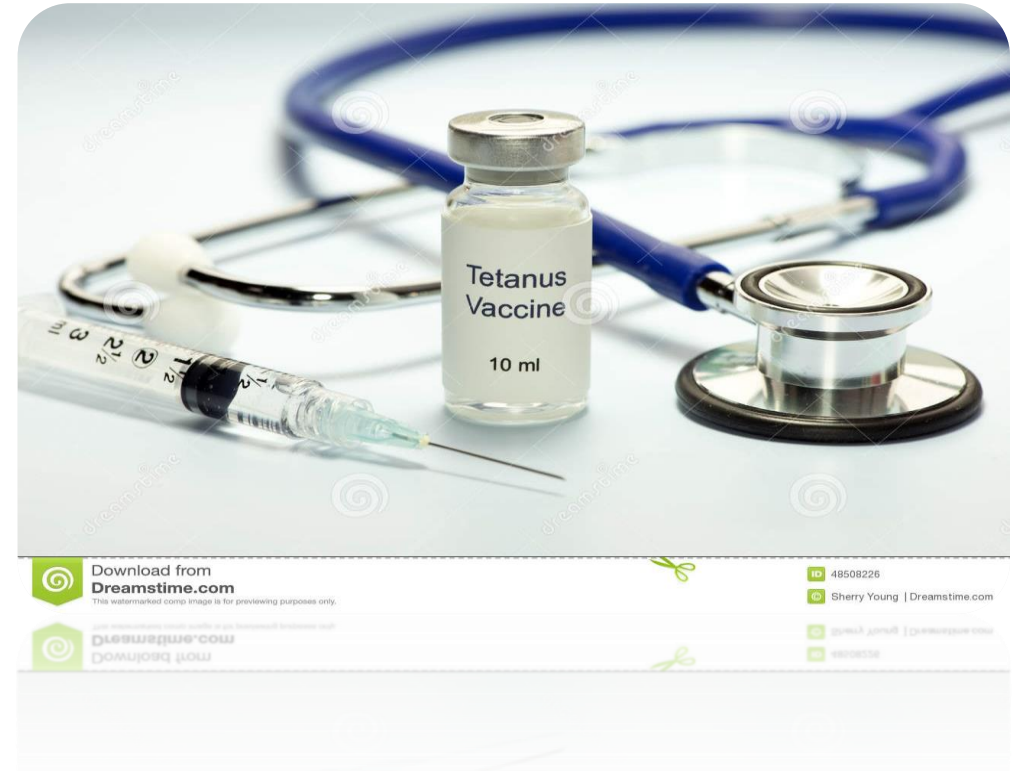
# Which disease has been totally eradicated from the world because of effective vaccination?

- A. Measles
- B. Polio
- C. Small pox
- D. Hepatitis



# Which of the following is not a viral disease?

- A. Cowpox
- B. Mumps
- C. Tetanus
- D. Small pox



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# Vaccination was invented by

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- a) Jenner
- b) Pasteur
- c) Watson
- d) Crick

# Which of these vaccines used to prevent tuberculosis ?

- BCG
- HCG
- MMR
- DPT