

NDA-CDS

TOP 25 MCQS

DISEASE AND PATHOGEN

BIOLOGY



SHIVANGI MA'AM

Q. Vaccination Is Available Against All Of The Following Disease Except _____.

- A. Yellow fever
- B. Typhoid fever
- C. Malaria
- D. More than one of the above

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- **YF-VAX** is the vaccine given for **yellow fever**.
- **Vivotif and Typhim** vaccines are given for **typhoid fever**.
- Engerix-B, Heplisav-B all the vaccines given for Hepatitis B.

Name of disease	Caused by	Symptoms
Typhoid	Caused by the bacterium Salmonella typhimurium	High fever, headaches
Malaria	Mosquito-borne infectious disease (Plasmodium)	Fever, headache, muscle pain
Yellow fever	Mosquitoes(Virus)	Fever, headache, muscle pain
Dengue	Mosquito-borne viral infection (virus) (Aedes Mosquitoes)	Fever, headache, muscle and joint pain

Q. _____ And _____ Are Water-borne Diseases.

- A. Scurvy and Cholera
- B. Polio and Rickets
- C. Typhoid and Meningitis
- D. Beri-Beri and Dysentery

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Q. Hepatitis 'A' Is Caused By:

- A. Fungi
- B. Protozoa
- C. Bacteria
- D. Virus

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Symptoms of Hepatitis A

- Fatigue and generally unwell
- Mild fever sensations
- Dark urine
- Skin and eyes turning yellow (a condition called jaundice)
- Severe itching

Causes of Hepatitis A

- Close contact with a person who has hepatitis A
- Injecting drugs with contaminated needles
- Drinking contaminated water, including ice cube

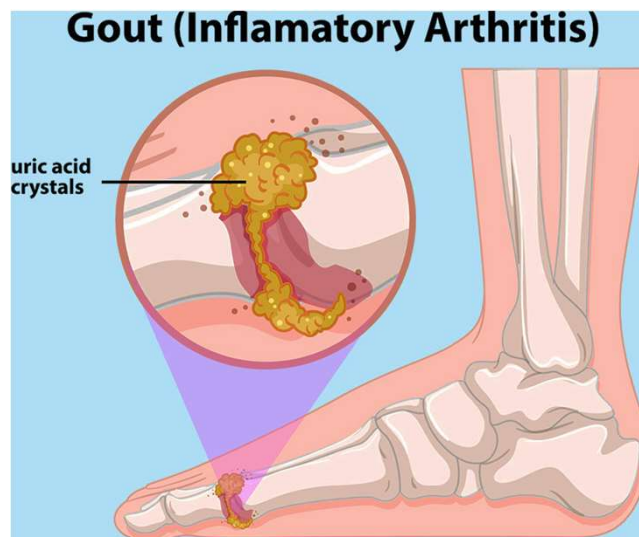


Q. Which Of The Substance Are Responsible For Arthritis In The Joints Of The Body?

- A. Albumin
- B. Cholesterol
- C. Urea
- D. Uric Acid

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Q. Deficiency of _____ causes Beri- Beri disease.

- A. Vitamin C
- B. Vitamin D
- C. Vitamin A
- D. Vitamin B1

Q. Deficiency Of _____ Causes Beri- Beri Disease.

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- B. Vitamin D
- C. Vitamin A
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Q. Influenza Disease Is Caused By Which Of The Following?

- A. Bacteria
- B. Virus
- C. Fungi
- D. Protozoan

Q. Influenza Disease Is Caused By Which Of The Following?

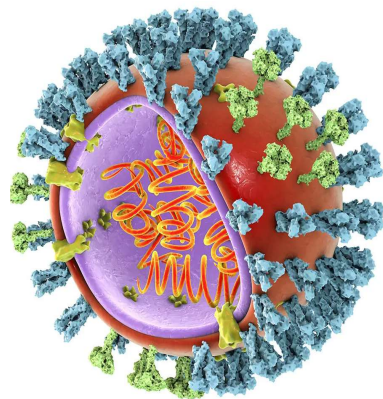
A. Bacteria

B. Virus

C. Fungi

D. Protozoan

Diseases	Caused By
Tuberculosis	Bacteria
Influenza	Virus
Fungal Infection	Fungi
Malaria	Protozoan



Q. Itai-Itai Disease Is Caused By?

- A. Mercury
- B. Cadmium
- C. Arsenic
- D. Nitrate

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<u>Element</u>	<u>Disease</u>
Mercury	Minamata
Arsenic	Blackfoot
Nitrate	Blue baby syndrome

Q. Narcolepsy Is A Disease Related To

- A. Compulsive stealing habits
- B. Forgetting disorder
- C. Frequent attacks of epilepsy
- D. Excessive sleeping disorder

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Q. Dengue Is Caused By-







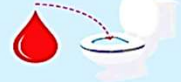



- A. Bacteria
- B. Virus
- C. Fungus
- D. Pollution

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- B. Virus**
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• Vector- *Aedes aegypti*



Symptoms of Dengue Fever		Warning Signs of Severe Dengue Fever	
 <p>Rash.</p>	 <p>Intense pain behind your eyes.</p>	 <p>Abdominal pain.</p>	 <p>Frequent vomiting.</p>
 <p>Nausea or vomiting.</p>	 <p>Muscle, bone and joint pain.</p>	 <p>Throwing up blood or blood in your poop.</p>	 <p>Nose bleeds or bleeding gums.</p>
			 <p>Extreme tiredness, restlessness or irritability.</p>

Q. What Is The Causal Agent Of Chikungunya

A. Non- chlorophyllous bacterium

B. Nematode

C. Virus

D. Fungus

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- A. Edward Jenner
- B. Jonas Salk and Albert Sabin
- C. Albert Calmette and Camille Guerin
- D. Louis Pasteur

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- To protect people from getting infected by tuberculosis, **BCG (Bacillus Calmette Guerin) vaccine was developed.**
- BCG vaccine is administered **to infants and children.**
- The vaccine was developed by **French bacteriologists Albert Calmette and Camille Guerin in 1921.**

Q. Name The Bacteria That Causes Dysentery.

- A. Shigella
- B. Vibrio Cholerae
- C. Streptococcus pyogenes bacteria
- D. Mycobacterium tuberculosis

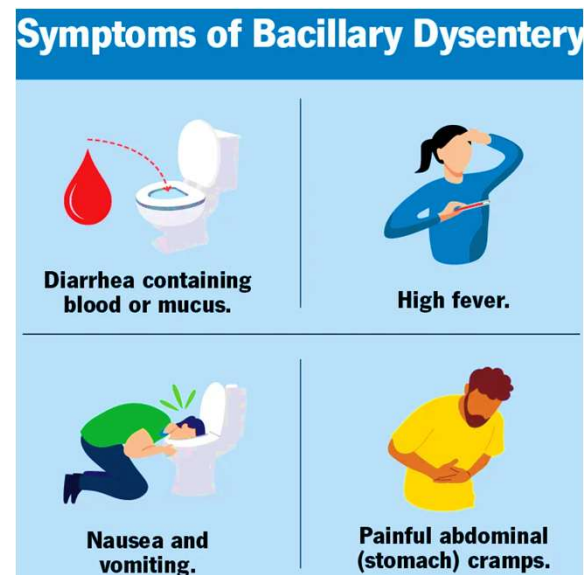
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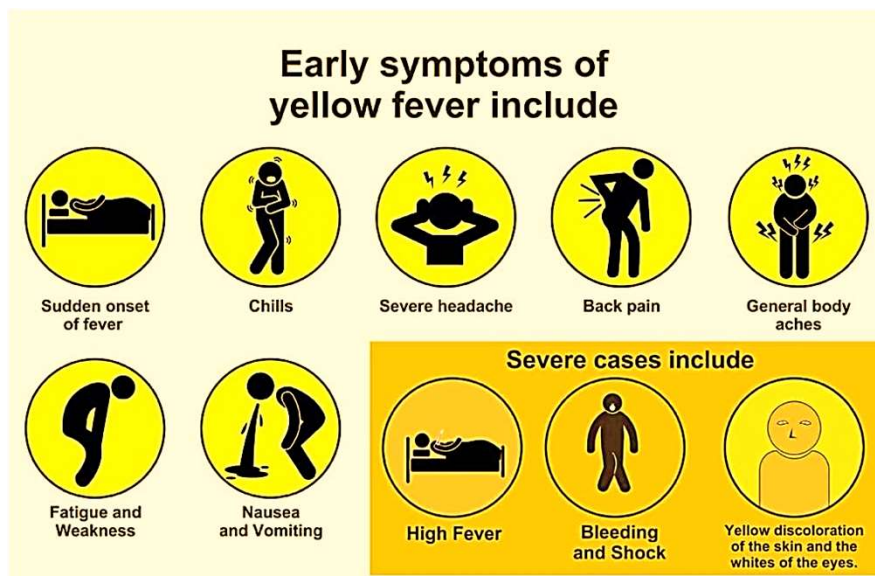
- Dysentery is caused by **Shigella bacteria**. It is spread by contaminated water and food
- Dysentery caused by Shigella is also called as **Bacillary dysentery or Shigellosis**.
- Shigella is a rod-shaped bacteria under the Enterobacteriaceae family.
- Shigella is genetically closely related to E. coli.

Q. Which Of The Given Is Responsible For Yellow Fever?

- A. Housefly
- B. Mosquito
- C. Water
- D. Bacteria

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Q. What Happens In The Body Of A Person Who Is Suffering From Dengue Fever?

- A. His platelets decrease
- B. His sugar level increases
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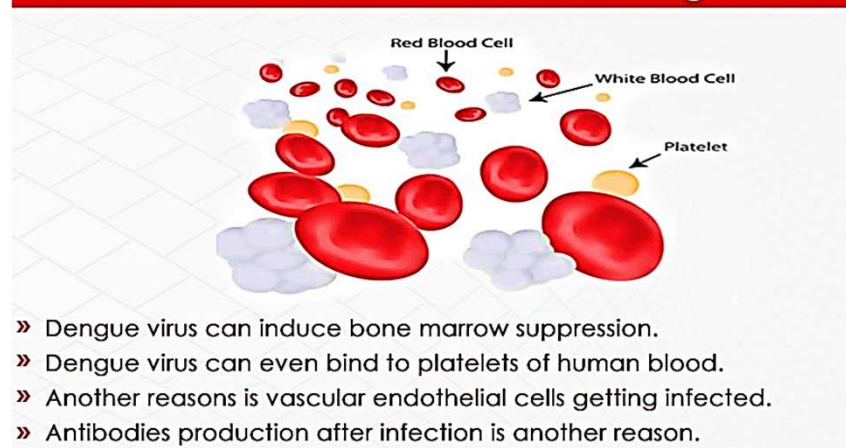
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Reasons for Low Platelet Count in Dengue Fever



Q. Which Of The Following Diseases Are Not Treated Under DPT Vaccines?

A. Polio

B. Diphtheria

C. Typhoid

D. Tetanus

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Q. Thalassemia And Sickle Cell Anemia Are Caused Due To A Problem In Globin Molecule Synthesis. Select The Correct Statement.

- A. Both are due to a qualitative defect in globin chain synthesis.
- B. Both are due to a quantitative defect in the globin chain synthesis.
- C. Thalassemia is due to less synthesis of globin molecules.
- D. Sickle cell anemia is due to a quantitative problem of globin molecules.

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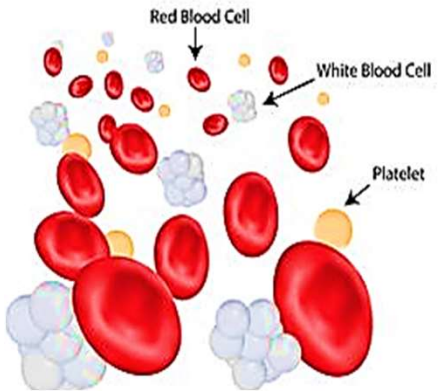
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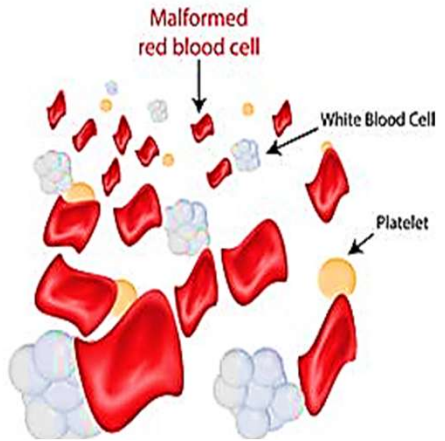
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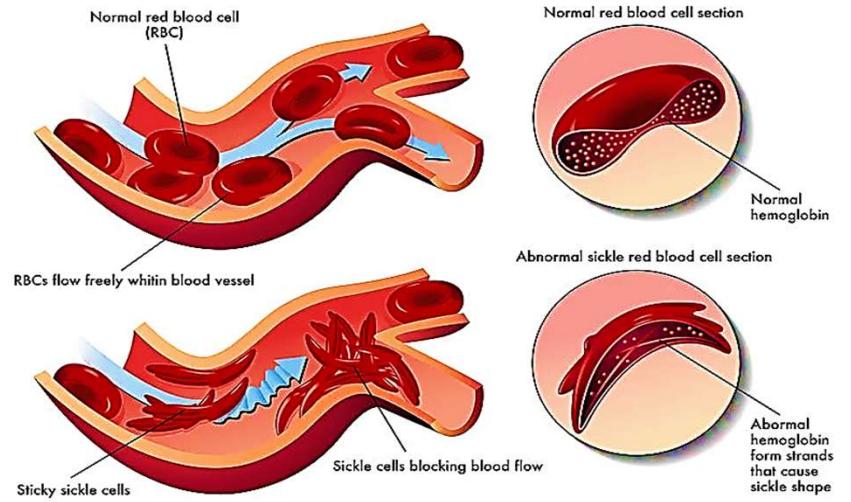
Normal



Thalassemia



Sickle-Cell Anemia



Q. A Human Male With Klinefelter's Syndrome _____.

A. shows normal masculine characters.

B. is fertile.

C. has only one sex chromosome.

D. has 47 chromosomes with XXY.

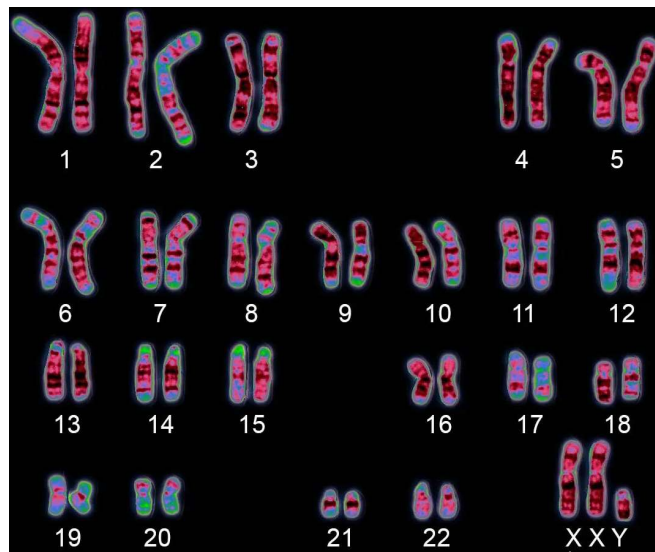
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Q. Find Out The Mismatched Pair.

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- B. Hemophilia - Sex-linked
- C. Down's syndrome - Autosomal aneuploidy
- D. Turner's syndrome - female with retarded sexual development.

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Klinefelter Syndrome

Normal



X Y

Abnormal



X X Y

Q. Turner Syndrome-a Human Abnormality In Which The Affected Individuals Are Phenotypically Females But Have Rudimentary Sex Organs And Mammary Glands Is Caused By The Absence Of:

- A. One X chromosome
- B. One Y chromosome
- C. Both X chromosomes
- D. XY chromosomes

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	Down Syndrome	Turner syndrome
Who does it affect?	1 in 700 male and female infants	1 in 2500 females
When is it diagnosed?	At birth	At adolescence.
What is the cause?	Extra chromosome 21	Missing or altered X chromosome
What are the consequences	Mild to moderate mental disability	Infertility

Q. Down's Syndrome Is Due To Trisomy Of 21st Chromosome Caused By

- A. nondisjunction during egg formation.
- B. nondisjunction during sperm formation.
- C. addition of extra chromosomes during mitosis of the zygote.
- D. either a or b.

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A. Optochin

B. Bacitracin and Zinc

C. Clotrimazole

D. Tobramycin

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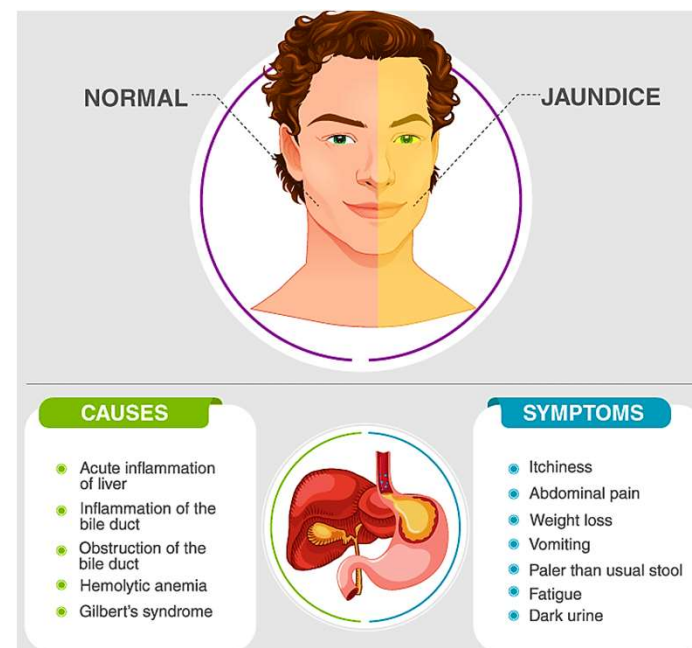


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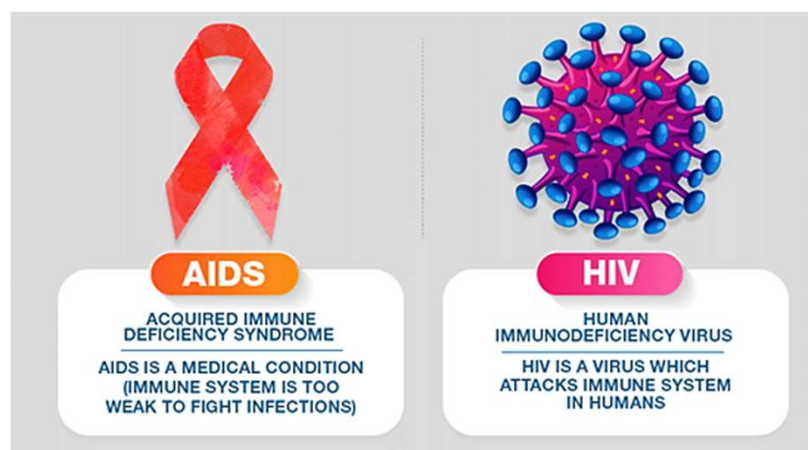


Q. Which One Of The Following Diseases Does NOT Have A Vaccine Till Date?

- A. Measles
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Q. Select The Wrong Statement Regarding AIDS:

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- B. HIV selectively infects and kills B-lymphocytes.
- C. Retrovirus have RNA genomes that replicate via DNA intermediate.
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- HIV selectively infects and kills B-lymphocytes: This is incorrect. HIV primarily infects and destroys T-lymphocytes (specifically CD4+ T cells), not B-lymphocytes.
 - The destruction of these cells impairs the immune system's ability to respond to infections.

Q. Which Of The Following Diseases Is Caused By Protein Deficiency?

- A. Anaemia
- B. Kwashiorkor
- C. Hypothyroidism
- D. All of the above

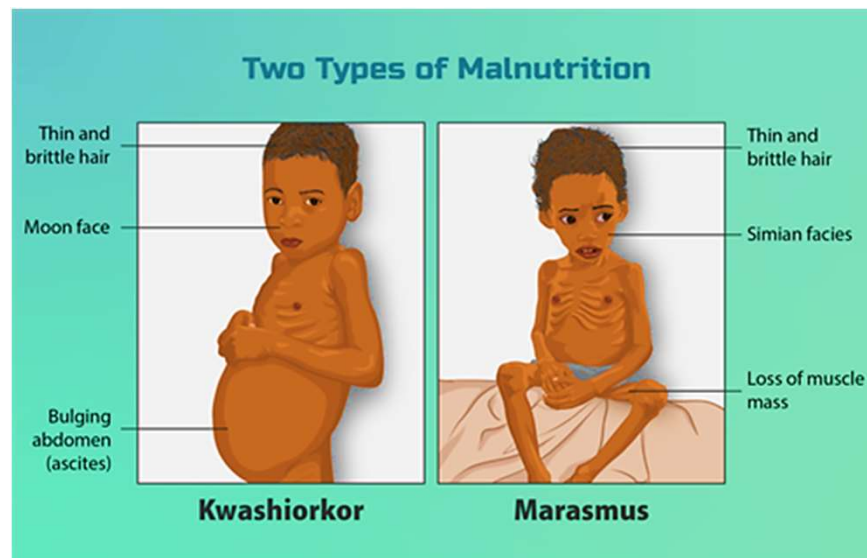
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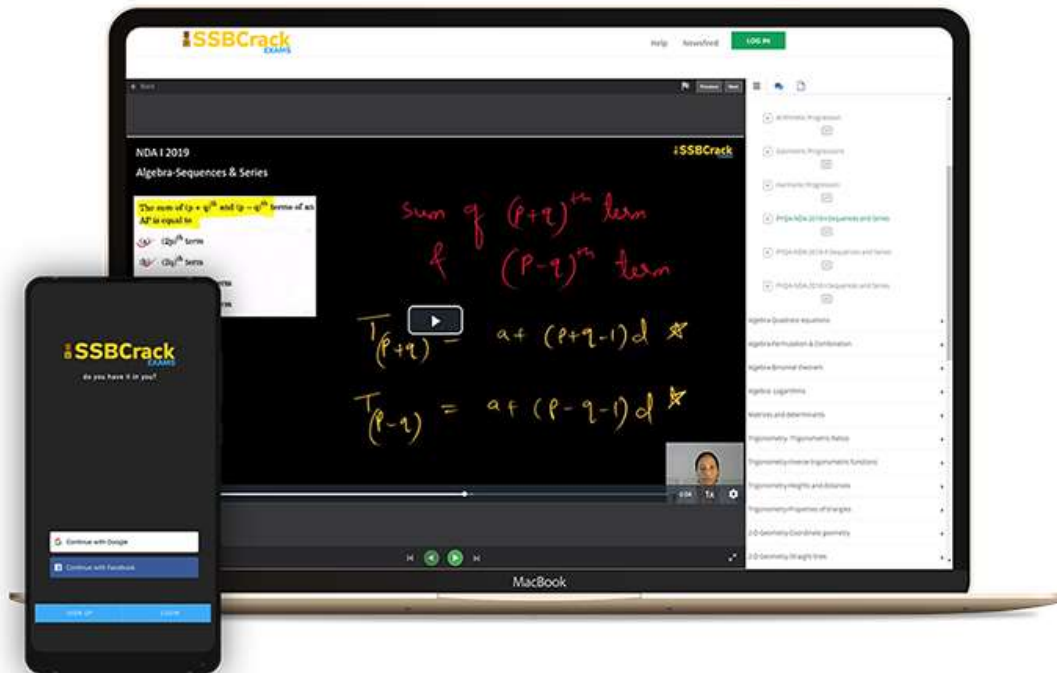
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