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- 
- 
- Home
- UPSC
  - Current Affairs IAS
  -   
  - Quiz IAS
  -   
  - UPSC News Editorial (/Eng)
  - Answer Writing ( /Eng)
  - UPSC Essay (/Eng)
  - UPSC GS (/Eng)
    - UPSC GS 1 ( /Eng)
    - UPSC GS-2 ( /Eng)
    - UPSC GS-3 ( /Eng)
    - UPSC GS-4 ( /Eng)
  - Kurukshetra ( /Eng)
  - Yojana ( /Eng)
  - IAS Strategy for Prelims
    - General Studies
    - CSAT
  - IAS Strategy for Mains
    - IAS GS 1
    - IAS GS 2
    - IAS GS 3
    - IAS GS 4
  - IAS Test Series
- Himachal HPAS
  - Himachal Daily Current Affairs
  -   
  - Daily Himachal GK Quiz

- Himachal News Editorial (English/Eng)
- Answer Writing (English /Eng)
- Himachal Essay (English/Eng)
- Giriraj
  - Magazine
  - Giriraj Quiz
- Himachal Pradesh
  - Himachal Pradesh
  - Himachal Pradesh Government Schemes
- HP Government Schemes
- Himachal Pradesh Government Schemes
- Syllabus Prelims Himachal HPAS
  - GENERAL STUDIES
  - CSAT
    - English
    - Hindi
- Syllabus Mains Himachal HPAS
  - English,Hindi,Essay & One Optional
  - HPAS GS 3
  - HPAS GS 2
  - HPAS GS 1
- Himachal HPAS Test Series
- All You need to Know about Himachal HPAS
- HARYANA HCS
  - Haryana Current Affairs
  - Haryana Current Affairs
  - HCS Quiz
  - Haryana News Editorial (English/Eng)
  - Answer Writing (English /Eng)
  - Haryana Essay (English/Eng)
  - HR Government Schemes
  - Haryana Government Schemes
  - Syllabus Mains Haryana HCS
  - Syllabus Prelims Haryana HCS
  - HCS Prelims Test Series

- [Punjab PCS](#)
- [Punjab PCS Current Affairs](#)
- [Daily Quiz Punjab PCS](#)
- [Punjab News Editorial \(Eng\)](#)
- [Answer Writing \(Eng\)](#)
- [Punjab Essay \(Eng\)](#)
- [All you need to know about Punjab PCS Exam 2021](#)
- [Syllabus Prelims Punjab PCS](#)
  - [General Studies](#)
  - [Prelims GS 1](#)
- [Syllabus Mains Punjab PCS](#)
  - [PCS GS 1](#)
  - [PCS GS 2](#)
  - [PCS GS 3](#)
  - [PCS GS 4](#)
  - [Online PUNJAB PCS TEST SERIES 2020](#)
- [CSAT](#)
  - [CSAT English](#)
  - [Punjab PCS CSAT](#)
- [Concept Mindmaps](#)
  - [Polity \(Hindi / Eng\)](#)
  - [Geography \(Hindi / Eng\)](#)
  - [Environment \(Hindi / Eng\)](#)
  - [History \(Hindi / Eng\)](#)
  - [Economics \(Hindi / Eng\)](#)
  - [Science and Technology \(Hindi / Eng\)](#)
  - [CSAT Concepts \(Hindi / Eng\)](#)
  - [Maps \(Hindi / Eng\)](#)
  - [Art and Culture \(Hindi / Eng\)](#)
  - [International Affairs \(Hindi / Eng\)](#)
  - [Punjab PCS Concepts](#)
  - [Himachal HPAS Concepts \(Hindi / Eng\)](#)
  - [Haryana HCS Concepts \(Hindi / Eng\)](#)
  - [Rajasthan RAS Concepts \(Hindi / Eng\)](#)
- [Concept Quiz](#)
  - [Polity Quiz \(Hindi/Eng\)](#)

- Geography Quiz (हिंदी/Eng)
- Environment Quiz (हिंदी/Eng)
- History Quiz (हिंदी/Eng)
- Economics Quiz (हिंदी/Eng)
- Science and Technology Quiz (हिंदी/Eng)
- CSAT Concepts Quiz (हिंदी/Eng)
- Maps Quiz (हिंदी/Eng)
- Art and Culture Quiz (हिंदी/Eng)
- Punjab PCS Concepts Quiz
- Himachal HPAS Concepts Quiz (हिंदी/Eng)
- Haryana HCS Concepts Quiz (हिंदी/Eng)
- Rajasthan RAS Concepts Quiz (हिंदी/Eng)
- Mains
  - UPSC Answer Writing (हिंदी/Eng)
  - HPPSC Answer Writing (हिंदी/Eng)
  - Haryana HCS Answer Writing (हिंदी/Eng)
  - Punjab PCS Answer Writing
- Exam Blogs
  - UPSC Exam Blogs
  - Himachal Exam Blogs
  - Punjab exam Blogs
  - Haryana Exam Blogs
  - Rajasthan Exam Blogs
  - E-Magazine
    - E-Magazine for HPAS
    - हिमाचल प्रदेश प्रश्न-उत्तर
    - E-Magazine for Punjab PCS
- UPCOMING EXAMS
  - National Exams
  - Himachal Pradesh Exams
  - Punjab Exams
  - Test Series Planner
- About US
- Sign Up
- Login
- facebook 

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## MENU

Click on Drop Down for Current Affairs

## Topics Covered



- Summary:
  - What is the news?
  - Understanding Meningitis:
    - The Threat of Meningococcal Meningitis:
    - The Power of the Men5CV Vaccine:
    - Benefits for Nigeria and Beyond:
    - Challenges and Considerations:
    - A Call to Action:
    - An Urgent Goal:
    - QuizTime:
    - Are you Ready!
- Read the Below Instructions Carefully:
  - Please Rate!
- Mains Questions:
  - Question 1:
  - Model Answer:
  - Question 2:
  - Model Answer:
  - Relevance to the UPSC Prelims and Mains syllabus under the following topics:
    - Prelims:
    - Mains:

## **Summary:**

- **Nigeria's Vaccine Milestone:** Nigeria is the first country to launch the Men5CV vaccine, targeting over a million people to combat meningitis.
- **Understanding Meningitis:** The disease is an inflammation of the brain and spinal cord membranes, with meningococcal meningitis being a severe form.
- **Men5CV Vaccine Benefits:** Offers broad protection against five meningococcal strains, reducing disease burden and enhancing public health.
- **Global Health Impact:** Nigeria's use of the Men5CV vaccine provides valuable data for other countries and supports the WHO's goal to eradicate meningitis by 2030.

## ***What is the news?***

- Nigeria has taken a significant step forward in the fight against meningitis, becoming the first country in the world to administer the Men5CV/MenFive conjugate vaccine.
- The vaccine campaign targets over a million people aged 1-29 in regions affected by meningitis.
- This innovative vaccine, recommended by the World

Health Organization (WHO), offers protection against five strains of the meningococcal bacteria, a potentially deadly pathogen that causes meningitis and septicemia.

## ***Understanding Meningitis:***

- Meningitis is an inflammation of the meninges, the protective membranes surrounding the brain and spinal cord. It can be caused by viruses, bacteria, fungi, or parasites, with bacterial meningitis being the most severe form. Among bacterial meningitis cases, meningococcal meningitis, caused by the *Neisseria meningitidis* bacteria, is a major public health concern.

## ***The Threat of Meningococcal Meningitis:***

- Meningococcal meningitis spreads through close contact and respiratory droplets. It can progress rapidly, leading to severe illness, disability, and even death. The bacteria can also cause septicemia, a bloodstream infection that can damage organs and tissues. Several serogroups (strains) of the bacteria exist, and outbreaks caused by specific serogroups can be particularly devastating.

## ***The Power of the Men5CV Vaccine:***

- The Men5CV vaccine represents a crucial advancement in meningitis prevention. Unlike previous vaccines that targeted only a few serogroups, the Men5CV vaccine offers protection against five of the most prevalent strains: A, C, Y, W, and X. This broad protection is particularly important in regions like Nigeria, where multiple serogroups are present, making it difficult to predict which strain will cause the next outbreak.

## ***Benefits for Nigeria and Beyond:***

*The rollout of the Men5CV vaccine in Nigeria paves the way for a more effective approach to meningitis control:*

- **Reduced Disease Burden:** Vaccination with Men5CV can significantly reduce the number of meningitis cases and deaths, protecting individuals and communities.
- **Enhanced Public Health:** By reducing the burden of meningitis, healthcare systems can focus resources on other health priorities.
- **Global Impact:** Nigeria's experience with the Men5CV vaccine provides valuable data for other countries facing the threat of meningococcal meningitis.



## ***Challenges and Considerations:***

*While the Men5CV vaccine is a major breakthrough, some challenges remain:*

- **Accessibility:** Ensuring equitable access to the vaccine across all demographics in Nigeria will be crucial.
- **Long-Term Efficacy:** Monitoring the long-term effectiveness of the vaccine and potential booster needs is essential.
- **Continued Surveillance:** Surveillance programs are necessary to track the emergence of new serogroups or changes in existing ones.

## ***A Call to Action:***

- Nigeria's pioneering efforts to adopt the Men5CV vaccine offer a beacon of hope in the fight against meningitis. This success story should inspire other countries to prioritize meningitis prevention strategies and advocate for broader access to this life-saving vaccine. By working together, we can create a world where meningitis is no longer a public health threat.

## ***An Urgent Goal:***

- This fight against meningitis gains even greater urgency in light of the WHO's ambitious goal of eradicating the disease by 2030. Nigeria's leadership in adopting the Men5CV vaccine is a significant step towards achieving this global objective. Continued international collaboration and investment in research, development, and access to effective vaccines are crucial to reaching this ambitious goal and creating a meningitis-free future.



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*Thank you, Time Out !*

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## General Studies

### CURRENT AFFAIRS QUIZ

# ***Read the Below Instructions Carefully:***

- Click on - Start Quiz
  - Attempt all questions (You can attempt or leave)
  - After Attempting Last Question.
  - Enter Name & Email
  - Click on - Check Result
  - Scroll down - Check out Solutions too.
- Thank you.

Loading ...



1 / 5

Category: **General Studies**

***A major challenge associated with achieving the WHO's goal of eradicating meningitis by 2030 is:***

- The limited effectiveness of the Men5CV vaccine
- The emergence of entirely new strains of meningitis
- The difficulty in diagnosing meningitis cases early
- Ensuring equitable access to the Men5CV vaccine

Prev

Finish

Next

2 / 5

Category: **General Studies**

***An essential strategy for preventing the spread of meningitis alongside vaccination efforts includes:***

- Increased use of antibiotics to eliminate the bacteria
- Increased use of antibiotics to eliminate the bacteria
- Widespread distribution of antiviral medication
- Enforcing mandatory isolation for suspected cases only

Prev

Finish

Next

3 / 5

Category: General Studies

***Technological advancements play a crucial role in meningitis control by:***

- Primarily focusing on treatment options after infection
- Enabling the development of broader-spectrum vaccines like Men5CV
- Not significantly impacting prevention or control strategies
- Only improving diagnostic tools for rapid case identification

Prev

Finish

Next

4 / 5

Category: General Studies

***Nigeria's adoption of the Men5CV vaccine is significant because it offers protection against:***

- Only one strain of meningococcal bacteria
- Primarily viral meningitis
- Five prevalent strains of meningococcal bacteria
- All known strains of meningitis-causing pathogens

Prev

Finish

Next

Category: General Studies

**The WHO's goal of eradicating meningitis by 2030 necessitates:**

- Sole reliance on the newly introduced Men5CV vaccine
- A multi-pronged approach including vaccination, surveillance, and research
- Focusing primarily on public awareness campaigns
- Prioritizing treatment advancements over preventive measures

Prev

Finish

**Check Rank, Result Now and enter correct email as you will get Solutions in the email as well for future use!**

Check the Result

Your score is

0%

Restart quiz

**Please Rate!**

Send feedback

**Mains Questions:**

# Below Mains Question

Write in Comment Section



## **Question 1:**

***Nigeria has become the first country to introduce the Men5CV vaccine for the prevention of meningitis. Discuss the significance of this development and the challenges associated with achieving the WHO's goal of eradicating meningitis by 2030. (250 words)***

## **Model Answer:**

Significance of Men5CV Vaccine:

- **Broader Protection:** The Men5CV vaccine offers protection against five prevalent strains of meningococcal bacteria, unlike previous vaccines targeting fewer strains. This is crucial in regions like Nigeria facing outbreaks by multiple serogroups.
- **Reduced Disease Burden:** Widespread vaccination with Men5CV can significantly decrease meningitis cases and deaths, protecting individuals and

communities.

- Improved Public Health: By reducing the burden of meningitis, healthcare systems can focus resources on other health priorities.
- Global Impact: Nigeria's experience paves the way for other countries to adopt this vaccine and develop effective meningitis control strategies.

#### Challenges in Eradicating Meningitis:

- Accessibility: Ensuring equitable access to the Men5CV vaccine across all demographics in Nigeria and other affected countries remains a challenge.
- Long-Term Efficacy: Monitoring the long-term effectiveness of the vaccine and potential booster needs is crucial.
- Surveillance Systems: Strengthening surveillance programs is vital to track the emergence of new serogroups or changes in existing ones.
- Funding and Research: Continued international collaboration and investment are needed for research, development, and access to effective vaccines.

#### Conclusion:

- Nigeria's adoption of the Men5CV vaccine is a significant step towards eradicating meningitis. Achieving the WHO's 2030 goal requires addressing accessibility issues, monitoring vaccine efficacy, strengthening surveillance, and fostering global collaboration in research and development.

## **Question 2:**

***Meningitis poses a serious health threat in many parts of the world. Discuss the various strategies for meningitis prevention and control, highlighting the role of technological advancements in this fight. (250 words)***

## **Model Answer:**

### *Strategies for Meningitis Prevention and Control:*

- **Vaccination:** Vaccination with effective vaccines like Men5CV is the primary strategy for preventing meningococcal meningitis.
- **Improved Hygiene:** Promoting good hygiene practices like handwashing and respiratory etiquette can reduce the spread of the bacteria causing meningitis.
- **Surveillance:** Strong surveillance systems are crucial to identify outbreaks quickly and implement appropriate control measures.
- **Early Diagnosis and Treatment:** Prompt diagnosis and treatment of meningitis cases can significantly improve patient outcomes.
- **Public Awareness:** Educational campaigns can raise public awareness about the symptoms of meningitis and the importance of preventive measures.

### *Role of Technological Advancements:*

- **New Vaccines:** The development of vaccines like Men5CV, offering broader protection against multiple serogroups, is a significant



technological advancement.

- **Diagnostic Tools:** Advancements in diagnostic tools like rapid diagnostic tests can speed up diagnosis and facilitate timely treatment.
- **Genomic Sequencing:** Advances in genomic sequencing can help identify new strains of bacteria and inform vaccine development strategies.
- **Communication Technology:** Communication technologies can be used for rapid outbreak alerts, public education campaigns, and telemedicine consultations.

**Conclusion:**

- Technological advancements play a critical role in developing effective vaccines, diagnostic tools, and communication strategies for meningitis prevention and control. Combined with traditional methods like hygiene promotion and early intervention, these advancements offer a promising path towards a world free of meningitis.

***Remember: These are just sample answers. It's important to further research and refine your responses based on your own understanding and perspective. Read entire UPSC Current Affairs.***

***Relevance to the UPSC Prelims and Mains syllabus under the following topics:***



## *Prelims:*

- **GS Paper I: Science and Technology in Everyday Life:** This is a very broad topic, and a question could potentially touch upon advancements in vaccines or public health interventions. But the focus would likely be on more widely used technologies, not a specific example like the Men5CV vaccine.

## *Mains:*

- **Paper III – Environment, Ecology, Biodiversity, and Climate Change (indirectly):** This section could be linked to the discussion on public health challenges and their impact on society.
- **Paper III (or Essay) – Science and Technology & Economic Development:**  
Impact of technological advancements on public health (broader theme): The editorial discusses the use of the Men5CV vaccine, an example of a technological advancement in public health. You can discuss the broader theme of how advancements in vaccines and diagnostics are impacting the fight against infectious

diseases. Analyze their benefits, challenges, and ethical considerations (optional).



*Click here to read in  
Hindi.*

**CLICK HERE**



# Quiz Time

The profit triples with a doubling of the selling price. Determine the profit percentage.

Option 1

Option 2

Option 3



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- Punjab Current Affairs
- PPSC Quiz
- Punjab Mindmaps
- Punjab Editorial
- Punjab E-Magazine
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- Haryana Current Affairs
- HCS Quiz
- HCS Editorials
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- HCS Prelims Test Series

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- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
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