

**Current Affairs • 23 October 2026****9 min**

READING TIME

4

KEY STORIES

0

IN BRIEF

3 + 1

MCQS + MAINS

GS3 • 4

PAPER MIX

01 — TODAY IN 2 MINUTES

The 4 stories you can't skip**1 Bacteriophage therapy successfully treats patient's multidrug-resistant *Pseudomonas aeruginosa* knee wound**

Why it matters: Researchers at SHRI Hospital reported the successful treatment of a multidrug-resistant *Pseudomonas aeruginosa* knee wound using bacteriophage therapy.

GS3 • SCIENCE & TECHNOLOGY

P

M

2 Bodhan AI to study frugal pico centres for 25 crore students

Why it matters: Frugal innovation and AI in education: a key GS3 and Science & Technology case study.

GS3 • SCIENCE & TECHNOLOGY

P

M

3 Microsoft's MAI-DxO system outperforms physicians in complex diagnoses

Why it matters: AI in healthcare: a GS3 and Science & Technology case study on diagnostic accuracy and algorithmic accountability.

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P

M

4 Supreme Court upholds ruling setting aside Yes Bank's ₹84 billion AT1 bond write-off

Why it matters: Banking stability and investor protection: a GS3 case study on capital market risks and judicial review.

GS3 • ECONOMY

M

NUMBER OF THE DAY

25 crore

the target number of students to receive personalized AI tutoring.

P.2 KEY STORIES » IN BRIEF + PLACES » TEST YOURSELF

P = PRELIMS • M = MAINS

What to know, in 60 seconds each

4 of 4 notes · picked for exam value

GS3 · SCIENCE & TECHNOLOGY

P M

Bacteriophage therapy successfully treats patient's multidrug-resistant *Pseudomonas aeruginosa* knee wound

Why in news: Researchers at SHRI Hospital reported the successful treatment of a multidrug-resistant *Pseudomonas aeruginosa* knee wound using bacteriophage therapy.

REMEMBER

- *Pseudomonas aeruginosa*: A bacterium known for causing multidrug-resistant infections.
- Dr. Kalyan Chakravarthy Koganti: Researcher at SHRI Hospital who reported the successful treatment.

MAINS ANGLE Discuss the potential of bacteriophage therapy as a viable alternative to conventional antibiotics in tackling the global crisis of antimicrobial resistance.

USE: Antimicrobial Resistance Bacteriophage Therapy

Biotechnology Clinical Efficacy

Full note → satyadheesh.in/upsc/note/140491

GS3 · SCIENCE & TECHNOLOGY

P M

Microsoft's MAI-DxO system outperforms physicians in complex diagnoses

Why in news: Microsoft published a study in the journal Science showing its MAI-DxO system achieved 83% accuracy in complex diagnoses, significantly outperforming physicians who scored 36%.

REMEMBER

- MAI-DxO: An AI system by Microsoft designed for complex medical diagnoses using AI agents.
- GPT-5 and GPT-5.5: OpenAI models utilized by the MAI-DxO system for diagnostic coordination.
- 83% accuracy: The diagnostic success rate of MAI-DxO in complex cases compared to 36% by physicians.

MAINS ANGLE Discuss the implications of integrating high-accuracy AI diagnostic systems in healthcare, focusing on the balance between technological efficiency and clinical accountability.

USE: Artificial Intelligence Diagnostic Accuracy

Medical Ethics Algorithmic Accountability

Full note → satyadheesh.in/upsc/note/140461

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P M

Bodhan AI to study frugal pico centres for 25 crore students

Why in news: IIT-Madras Director V. Kamakoti announced a feasibility study by Bodhan AI to establish frugal 'pico centres' providing AI-driven personalized tutoring for 25 crore students.

REMEMBER

- Pico centres — low-resource inference centres for sectors like agriculture, space, and health.
- Bodhan AI — a Union Ministry of Education project to study frugal AI deployment.
- 25 crore — the target number of students to receive personalized AI tutoring.

MAINS ANGLE Discuss how the deployment of frugal AI 'pico centres' can bridge the digital divide in India's education sector while ensuring responsible AI usage.

USE: Digital Divide Frugal Innovation Responsible AI

Personalized Learning

Full note → satyadheesh.in/upsc/note/140472

GS3 · ECONOMY

M

Supreme Court upholds ruling setting aside Yes Bank's ₹84 billion AT1 bond write-off

Why in news: The Supreme Court upheld a Bombay High Court ruling setting aside Yes Bank's write-off of ₹84 billion in Additional Tier-1 (AT1) bonds, sparking a dispute over unpaid coupons to retail investors.

REMEMBER

- ₹84 billion — The amount of AT1 bonds written off by Yes Bank.
- Axis Trustee Services Ltd — The debenture trustee for the bonds in question.
- ₹52.79 billion — The debit balance in Yes Bank's profit and loss account.

MAINS ANGLE Discuss the implications of Additional Tier-1 (AT1) bond write-offs on investor confidence and the stability of the Indian banking sector.

USE: AT1 Bonds Write-off Capital Markets

Retail Investors

Full note → satyadheesh.in/upsc/note/140460

