



Q. India's first domestic gene therapy for cancer launched at -

- a** IIT Delhi
- b** IIT Bombay
- c** IIT Kanpur
- d** IIT Madras

Answer **b**

EXPLANATION

- President Droupadi Murmu dedicated CAR-T Cell Therapy to the nation at IIT Bombay on 4th April 2024. The Chimeric Antigen Receptor (CAR)-T Cell Therapy (used to treat cancer patients) has been developed in India by IIT Bombay-incubated Company Immuno-Adoptive Cell Therapy (Immuno ACT).**
- The CAR-T Cell Therapy product has been developed as a collaborative effort between IIT Bombay and Tata Memorial Centre (TMC). Designed and developed at IIT Bombay, the therapy has undergone integrative process development and manufacturing at Immuno-ACT.**
- CAR T-cell therapy is a way to get immune cells called T cells (a type of white blood cell) to fight cancer by changing them in the lab so they can find and destroy cancer cells. CAR T-cell therapy is also sometimes talked about as a type of cell-based gene therapy, because it involves altering the genes inside T cells to help them attack the cancer.**



Q. According to the World Bank's recent projections, the Indian economy is projected to grow in 2024 at-

a 6.9 per cent

b 7.2 per cent

c 7.9 per cent

d 7.5 per cent

Answer **d**

EXPLANATION

- According to the World Bank's recent projections, the Indian economy is projected to grow at 7.5 per cent in 2024, revising its earlier projections for the same period by 1.2 per cent.
- The World Bank forecasts India's output growth to reach 7.5 percent in FY24, driven by resilient activity in services and industry. However, growth is expected to moderate to 6.6 percent over the medium term.
- India's economic activity in 2023 Q4 exceeded expectations, with an 8.4 percent growth compared to the previous year, supported by increased investment and government consumption. India's composite purchasing managers index (PMI) stood at 60.6 in February, well above the global average of 52.1, indicating expansion.



Q. Consider the following statements with respect to New Generation Ballistic Missile Agni-Prime :

- 1** Agni-P or Agni-Prime is a new generation nuclear-capable Medium-Range Ballistic Missile (MRBM) developed by the DRDO.
- 2** It is a two-stage, surface-to-surface, road-mobile and solid-fueled missile.

Which of the above statement(s) is/are correct?

- | | |
|-----------------------|--------------------------|
| a 1 Only | b 2 Only |
| c Both 1 and 2 | d Neither 1 nor 2 |

Answer **c**

EXPLANATION

- Both the given statements are correct.
- Agni-P or Agni-Prime is a new generation nuclear-capable medium-range ballistic missile (MRBM) developed by the DRDO that incorporates technological advances from Agni-IV and Agni-V and is considered a successor for Agni-I and Agni-II missiles in the operational service of the Strategic Forces Command (SFC).
- It is a two-stage, surface-to-surface, road-mobile and solid-fueled missile which is transported by a truck and launched via a canister, like the country's first intercontinental ballistic missile (ICBM), Agni-V (over 5,000 km). It is a ballistic missile with dual redundant navigation and guidance system.
- Agni-Prime, with a strike range of 1,000 to 2,000 km, has significant upgrades, which include composite motor casing, Manoeuvrable Re-entry Vehicle (MaRV), improved propellants, and navigation and guidance systems.



Q. Kathia Gehu, which has recently been given GI tag, belongs to -

a Haryana

b Punjab

c Bihar

d Uttar Pradesh

Answer d

EXPLANATION

- Bundelkhand region in Uttar Pradesh has marked a significant step in agricultural recognition with its first Geographical Indication (GI) tag awarded to a local farm produce. The indigenous wheat variety, locally known as Kathiya Gehu, has been granted the prestigious GI tag as of April 1, 2024.**
- The process for GI certification of Kathiya Gehu was initiated by the Khatiya Wheat Bangra Producer Company Limited, a local Farmer Producer Organization (FPO), with support from entities like NABARD in January 2022.**



Q. Consider the following statements with respect to Ayushman Bharat Health Accounts (ABHA):

- 1** Ayushman Bharat Health Accounts (ABHA) is an integral component of the Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB-PMJAY).
- 2** ABHA intends to create a digital health ecosystem & aims to promote digitization of healthcare.
- 3** ABHA manages the allocation and disbursement of funds for healthcare services availed by beneficiaries.

Which of the above statement(s) is/are correct?

a None

b Only one

c Only two

d All three

Answer **d**

EXPLANATION

- All the given statements are correct.
- Ayushman Bharat Health Accounts (ABHA) is an integral component of the Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB-PMJAY), which is India's flagship national health protection scheme. ABHA intends to create a digital health ecosystem & aims to promote digitization of healthcare.
- Ayushman Bharat Health Accounts aim to provide a seamless and efficient financial framework for implementing the Ayushman Bharat scheme. It ensures transparency, accountability, and accessibility of funds allocated for healthcare services.
- ABHA manages the allocation and disbursement of funds for healthcare services availed by beneficiaries. It ensures that funds are transferred to healthcare providers promptly and securely.