

**Daily MCQ: 30.07.2026**

- 1) Consider the following description:

The programme was launched to ignite scientific curiosity among young students and build awareness about India's achievements in the space sector. It is organised annually by the Indian Space Research Organisation (ISRO) for students studying in Class IX. Selected students undergo a two-week residential programme at various ISRO centres, where they receive exposure to space technology, satellite applications, rocket systems, and practical demonstrations. The selection process gives weightage to academic performance while encouraging participation from rural areas and underrepresented regions. The programme also aims to motivate students to pursue careers in science, technology, engineering, and mathematics (STEM).

The above description best refers to:

- (a) INSPIRE – Innovation in Science Pursuit for Inspired Research
- (b) YUva Vigyani Karyakram (YUVIKA)
- (c) Atal Innovation Mission (AIM)
- (d) Vigyan Jyoti Programme

- 2) With reference to the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), consider the following statements:

- 1. CORSIA is a global market-based measure adopted by the International Civil Aviation Organization (ICAO).
- 2. India is among the ICAO member States that have voluntarily committed to implementing CORSIA during its initial voluntary phases.
- 3. CORSIA aims to eliminate all greenhouse gas emissions from international aviation by 2030.

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

- (a) 1 only
- (b) 2 and 3 only
- (c) 3 only
- (d) 1, 2 and 3

- 3) Consider the following statements with reference to the Nuclear Power Corporation of India Limited (NPCIL):

- 1. NPCIL is a Public Sector Enterprise under the administrative control of the Department of Atomic Energy (DAE), Government of India.
- 2. NPCIL operates nuclear power plants and generates electricity through nuclear energy
- 3. NPCIL is responsible for designing, constructing and operating nuclear power reactors.

Which one of the following conclusions based on the above statements is correct?

- (a) All three statements are correct.
- (b) There is no correct statement.
- (c) Only two statements are correct
- (d) Only one statement is correct.

- 4) Consider the following statements with reference to the NavIC satellite system:

- I. NavIC is India's indigenous regional satellite navigation system developed by ISRO.



- II. NavIC is designed to provide accurate positioning services over India and the region extending up to about 1,500 km beyond its borders.
- III. NavIC was developed primarily to provide global navigation coverage comparable to GPS.

Which of the following relationships among the above statements is/are correct?

1. Statement I is factually supported by Statement II.
2. Statement III contradicts the regional navigation objective implicit in Statement I.
3. Statement I and Statement III together establish that NavIC is a global navigation system.

Select the answer using the code given below:

- (a) 1 only
- (b) 1 and 2
- (c) 2 and 3
- (d) 3 only

- 5) Consider the following with reference to the DAANVEER initiative:

A Gram Panchayat seeks to strengthen its digital infrastructure through voluntary public participation. Several individuals, including members of the Indian diaspora, wish to contribute using a transparent digital mechanism.

Which of the following statements with reference to the above are correct?

1. DAANVEER enables the donation of standardized computer bundles to eligible Gram Panchayats.
2. It is available through the Meri Panchayat application and integrated with DigiHaat.
3. It encourages voluntary contributions from citizens, including the Indian diaspora.
4. It allows donors to transfer funds directly to Gram Panchayat bank accounts for local procurement.

Select the answer using the code given below:

- (a) 1, 2, and 3
- (b) 2, and 4 only
- (c) 1, and 3 only
- (d) 1, 2, 3, and 4

Explanation

1) Answer: (B)

YUva Vigyani Karyakram (YUVIKA)

- **Target Audience & Organizer:** The description explicitly points to the **YUva Vigyani Karyakram (YUVIKA)**, which is a flagship Young Scientist Programme organized annually by the **Indian Space Research Organisation (ISRO)** specifically for school students studying in **Class IX**.
- **Programme Structure:** It is designed as a **two-week residential training programme** hosted across various ISRO centers. It aims to "catch them young" by imparting foundational knowledge on space technology, satellite applications, and rocket systems through practical demonstrations and interactions with scientists.
- **Selection & Objectives:** The selection criteria factor in academic performance while offering special weightage to encourage students from rural and remote regions, ultimately inspiring youth to build careers in **STEM** (Science, Technology, Engineering, and Mathematics) fields.



- Therefore, option B is the correct answer.

2) Answer: (A)

- **Statement 1 is correct:** CORSIA (Carbon Offsetting and Reduction Scheme for International Aviation) was adopted by the International Civil Aviation Organization (ICAO) in 2016. It is a global market-based measure aimed at offsetting CO₂ emissions from international flights.
- **Statement 2 is incorrect:** CORSIA is implemented in three phases:
 - **Pilot Phase** (2021–2023) – Voluntary
 - **First Phase** (2024–2026) – Voluntary
 - **Second Phase** (2027–2035) – Mandatory for most member states
- The Government of India opted **not** to join the initial voluntary phases (2021–2026) to ensure Indian airlines were not subjected to growth-limiting financial impacts during their expansion phase. Offsetting requirements for Indian carriers will only become applicable during the mandatory phase starting in **2027**.
- **Statement 3 is incorrect:** CORSIA does not aim to eliminate all greenhouse gas emissions by 2030. Its target is **carbon-neutral growth** by requiring airlines to purchase carbon offsets for emissions that exceed a baseline (set at 85% of 2019 levels). ICAO's broader long-term goal (LTAG) targets net-zero carbon emissions by **2050**, not 2030.
- Therefore, option A is the correct answer.

3) Answer: (A)

- Nuclear Power Corporation of India Limited (NPCIL) is a **Public Sector Enterprise (PSU)** under the **administrative control of the Department of Atomic Energy (DAE), Government of India**. It was incorporated in **September 1987** as a Public Limited Company under the **Companies Act, 1956**. Hence **Statement 1 is correct**.
- NPCIL was established with the objective of **operating atomic power plants and implementing nuclear power projects** for the generation of electricity under the framework of the **Atomic Energy Act, 1962**. Hence **Statement 2 is correct**.
- NPCIL is responsible for the **design, construction, commissioning and operation of nuclear power reactors** in India. It plays a key role in expanding India's nuclear power capacity and ensuring safe nuclear energy generation. Hence **Statement 3 is correct**.
- NPCIL has **equity participation in BHAVINI (Bharatiya Nabhikiya Vidyut Nigam Limited)**, another PSU under the **Department of Atomic Energy (DAE)**, which implements the **Fast Breeder Reactors (FBR) programme** in India.
- NPCIL's major role is to contribute to **India's energy security** through safe, reliable and environmentally sustainable nuclear power generation.
- Therefore, option A is the correct answer.

4) Answer: (B)

Statement I is correct: NavIC (Navigation with Indian Constellation) is India's **indigenous regional satellite navigation system** developed by **ISRO**.

Statement II is correct: NavIC provides **accurate Position, Navigation and Timing (PNT) services over India and up to about 1,500 km beyond its borders**, which supports the description given in Statement I. Hence, **Relationship 1 is correct**.

Statement III is incorrect: NavIC was **not designed primarily for global coverage comparable to GPS**; it is a **regional navigation system**.



Since Statement I implies a **regional navigation objective**, Statement III directly contradicts that objective. Hence, **Relationship 2 is correct**.

Because Statement III is incorrect, Statement I and Statement III together **cannot establish that NavIC is a global navigation system**. Hence, **Relationship 3 is incorrect**.

Therefore, Relationships 1 and 2 are correct. Hence, option (b) is the correct answer.

5) Answer: (A)

- **Statement 1 – Correct.** DAANVEER enables donors to contribute **standardized computer bundles** to eligible Gram Panchayats to strengthen their digital infrastructure.
- **Statement 2 – Correct.** The initiative is accessible through the **Meri Panchayat** mobile application and is integrated with the **DigiHaat** marketplace, enabling a transparent and end-to-end digital donation process.
- **Statement 3 – Correct.** DAANVEER promotes **voluntary public participation**, including contributions from the **Indian diaspora**, under the tagline "**Give Back to Your Village.**"
- **Statement 4 – Incorrect.** The initiative **does not permit direct transfer of funds to Gram Panchayat bank accounts** for local procurement. Instead, it facilitates the donation and delivery of **standardized computer bundles** through a structured digital platform to ensure transparency, quality assurance, and accountability.
- **Therefore, option A is the correct answer.**

