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Q94

GPS-Aided Geo Augmented Navigation (GAGAN) uses a system of ground stations to provide necessary augmentation. Which of the following statements is/are correct in respect of GAGAN? I. It is designed to provide additional accuracy and integrity. II. It will allow more uniform and high quality air traffic management. III. It will provide benefits only in aviation but not in other modes of transportation. Select the correct answer using the code given below (a) I, II and III (b) II and III only (c) I only (d) I and II only
Official key: D.

UPSC Civil Services Prelims 2025 · General Studies · 2 marks · Current Affairs and GK
Current events, government schemes, miscellaneous GK - Prelims GS Paper I.

Explanation

(a)

• I, II and III. III fails: **GAGAN** is not aviation-only.

(b)

II and III only. III fails, and I is dropped.

(c)

I only. II is also keyed.

(d) Official key

I and II only. Extra accuracy and integrity, and better ATM. Benefits are not confined to aviation.

Summary

• **Official Set A key is (d) I and II only. GAGAN is India's SBAS:** extra accuracy and integrity for GNSS (I) and more uniform air-traffic management (II). It is also used in other modes (survey, rail, roads). III's 'aviation only' is false. So I and II.

Related possible facts

These can be asked in a future Prelims paper.

GAGAN

GPS-Aided GEO Augmented Navigation. ISRO plus AAI. India's SBAS.

SBAS / WAAS / EGNOS

US and European cousins of GAGAN.

GSAT-8 / GSAT-10

The GEO satellites that broadcast GAGAN corrections.

Non-aviation GAGAN

Rail, roads, surveying, precision agriculture. Why III is a harsh absolute.

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