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## DRDO & Research & Development:

### Major DRDO & R&D Developments

**'Mission Sudarshan Chakra':** A committee has been formed to create a "realistic action plan" for Mission Sudarshan Chakra, a project to build an advanced, comprehensive air and missile defense shield for strategic and civilian areas. This system is designed to handle threats from ballistic missiles, drones, and other aerial platforms.

**Project Kusha Missile Test:** The Defence Research and Development Organisation (DRDO) is set to conduct the first test of its Project Kusha M1 missile this month. This indigenous, long-range air defence system is being developed to bridge the gap between India's existing medium-range missile systems and foreign-acquired platforms. The M1 variant has a 150 km interception range.

**Defence Minister's Address:** Defence Minister Rajnath Singh called for the Indian armed forces to prepare for "invisible challenges," such as information, ideological, and biological warfare, which he emphasized are the new realities of modern conflicts. He stressed the need for a "technology-friendly" military and deeper collaboration between the defence sector, industry, and academia.

**Defence Sector Collaboration:** Tata Sons Chairman N. Chandrasekaran has emphasized that no single company can address all of India's defence needs, calling for greater collaboration between various public and private sector players. This aligns with the government's push

for self-reliance ('Aatmanirbhar Bharat') in the defence sector.

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## MCQS

**1.What is the name of the new project to build an advanced, comprehensive air and missile defense shield for India?**

- A. Project Agni
- B. Mission Sudarshan Chakra
- C. Project Pralay
- D. Mission Aakash

**Answer:** B. Mission Sudarshan Chakra

A committee has been formed to create a "realistic action plan" for Mission Sudarshan Chakra, which is the name of the project to build an advanced, comprehensive air and missile defense shield for strategic and civilian areas.

**2.What is the name of the indigenous, long-range air defence missile being developed by DRDO, which is set for its first test this month?**

- A. Project BrahMos
- B. Project Kusha
- C. Project Dhruv
- D. Project Arjun

**Answer:** B. Project Kusha

The Defence Research and Development Organisation (DRDO) is set to conduct the first test of its indigenous, long-range air defence system, known as Project Kusha, this month.

**3.According to Defence Minister Rajnath Singh, what are the new "invisible challenges" of modern warfare that the armed forces must prepare for?**

- A. Conventional land and sea battles.
- B. Information, ideological, ecological, and biological warfare.
- C. Unmanned aerial vehicles and satellite attacks.
- D. Naval blockades and cyber-espionage.

**Answer:** B. Information, ideological, ecological, and biological warfare.

Defence Minister Rajnath Singh, in his address, urged the armed forces to prepare for "invisible challenges" from unconventional threats, specifically mentioning information, ideological, ecological, and biological warfare as the new realities of modern conflict.

**4.What is the stated interception range of the Project Kusha M1 missile?**

- A. 50 km
- B. 100 km
- C. 150 km
- D. 200 km

**Answer:** C. 150 km

The M1 variant of the Project Kusha indigenous air defence system has an announced interception range of 150 km, which is designed to bridge the gap in India's existing missile defense capabilities.

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