

□ □ INDIA @ 80

AI QUIZ + RESEARCH CHALLENGE

India's 8 Biggest Innovations Since 1947

Instructions: Choose the correct answer for each question. 8 Questions • 8 Marks

1. □ GREEN REVOLUTION

Which agricultural breakthrough played a major role in transforming India from a food-deficit country toward food security?

- A) Blue Revolution
- B) Green Revolution
- C) White Revolution
- D) Digital Revolution

Answer: B — Green Revolution

2. □ WHITE REVOLUTION

Which programme transformed India's dairy sector through farmer cooperatives and helped make India a major milk-producing nation?

- A) Operation Flood
- B) Operation Green
- C) Milk Mission 2000
- D) Dairy India Project

Answer: A — Operation Flood

3. □ SPACE TECHNOLOGY

Which organisation has been responsible for India's major space exploration and satellite programmes?

- A) DRDO
- B) ISRO
- C) CSIR
- D) BARC

Answer: B — ISRO

4. SUPERCOMPUTING

What was the name of India's first indigenous supercomputer developed by C-DAC in the early 1990s?

- A) PARAM 8000
- B) Aryabhata-1
- C) Shakti-1
- D) Bharat-8000

Answer: A — PARAM 8000

5. DIGITAL IDENTITY

Which technology-based identity system introduced a unique identification number for residents across India?

- A) PAN
- B) Aadhaar
- C) DigiLocker
- D) Voter ID

Answer: B — Aadhaar

6. DIGITAL PAYMENTS

Which Indian payment system, launched as a pilot in 2016, enabled instant bank-to-bank payments through a unified interface?

- A) NEFT
- B) RTGS
- C) UPI
- D) SWIFT

Answer: C — UPI

7. MEDICAL INNOVATION

Which indigenous COVID-19 vaccine was developed by Bharat Biotech in collaboration with ICMR and the National Institute of Virology?

- A) Covishield
- B) Covaxin
- C) Sputnik V

D) ZyCoV-D

Answer: B — Covaxin

8. SPACE EXPLORATION

What made Chandrayaan-3 a historic achievement for India in 2023?

- A) It was India's first satellite
- B) It carried India's first astronaut
- C) It successfully soft-landed near the Moon's southern polar region
- D) It discovered the first planet outside the Solar System

Answer: C — It successfully soft-landed near the Moon's southern polar region

SCORE

8/8 — Innovation Legend   

6–7 — Future Innovator 

4–5 — Young Researcher 

0–3 — Time to explore India's innovation journey!  

“From feeding a nation to reaching the Moon, from supercomputers to instant digital payments — India's journey since 1947 is a journey of innovation.”

Happy Independence Day!  

RESEARCH SOURCES

Indian Council of Agricultural Research (ICAR) — Green Revolution and agricultural development

National Dairy Development Board (NDDB) — Operation Flood and White Revolution

Indian Space Research Organisation (ISRO) — India's space programme and Chandrayaan-3

Centre for Development of Advanced Computing (C-DAC) — PARAM supercomputing

Unique Identification Authority of India (UIDAI) — Aadhaar

National Payments Corporation of India (NPCI) — UPI

Department of Science & Technology, Government of India — Indian scientific and technological developments

Indian Council of Medical Research (ICMR) — Covaxin development