


CURRENT BASED MCQs For UPSC PRELIMS 2025



Q1. With reference to Alzheimer's, consider the following statements:

1. It is the most common type of dementia.
2. Recent research has found a correlation between light pollution at night and the incidence of Alzheimer's disease.
3. It involves the formation of plaques and tangles in the brain.
4. There is no cure available for this disease.

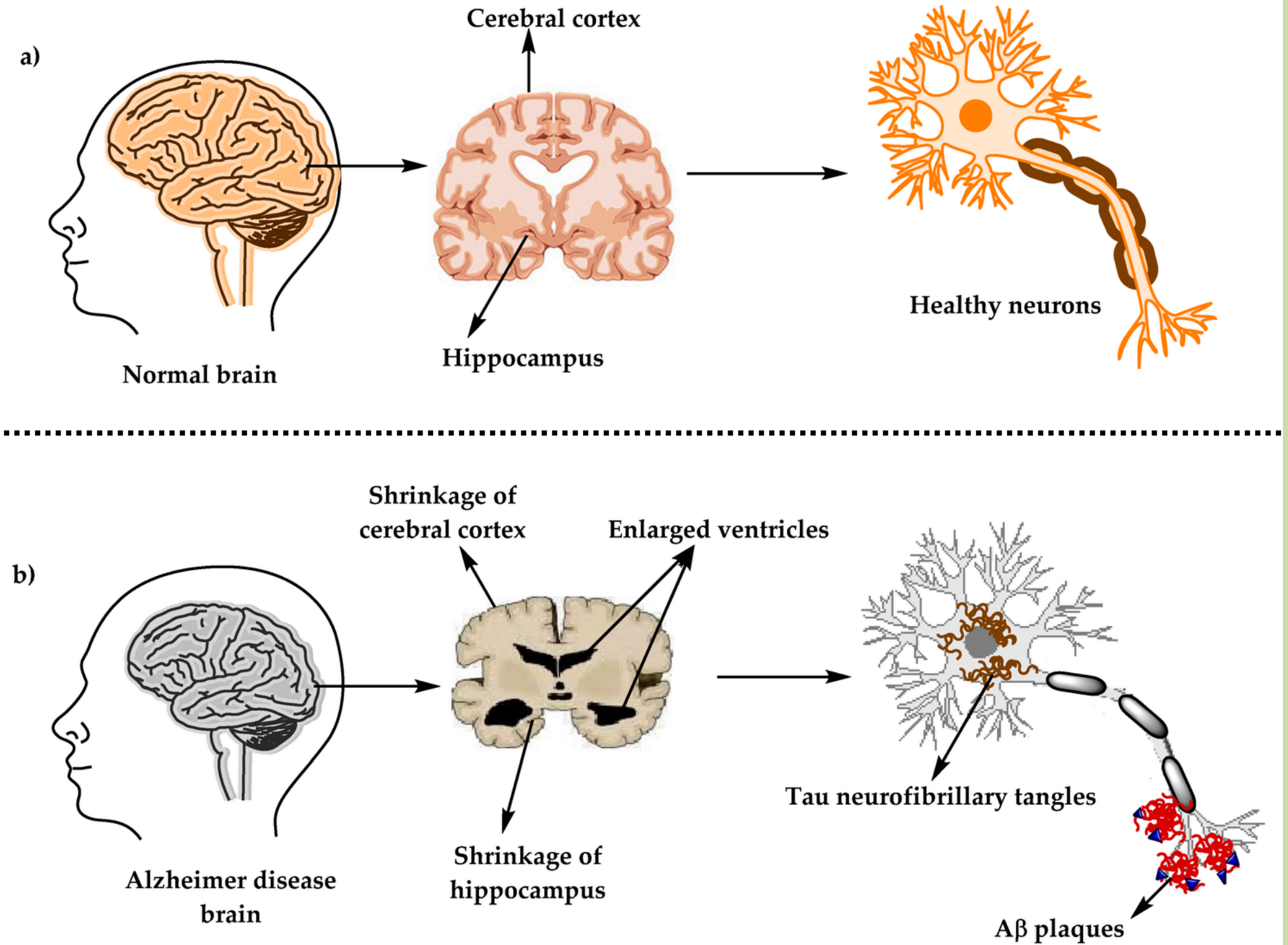
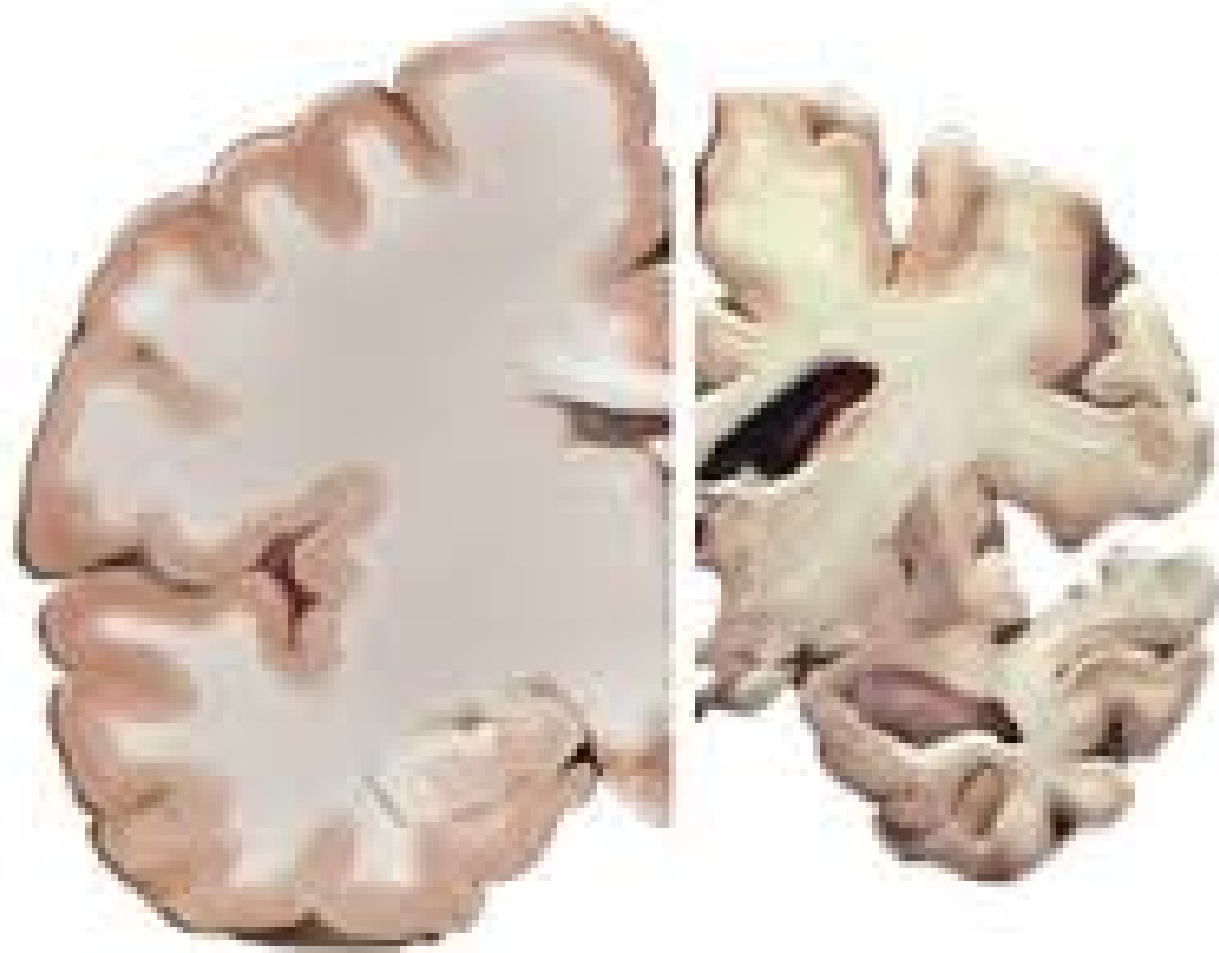
How many of the statements given above are correct?

- (a) Only one
 - (b) Only two
 - (c) Only three
 - (d) All four
- 

Answer- D

Healthy
Brain


Severe
Alzheimer's



Q2. The Centre unveiled its BioE3 policy to harness the power of biotechnology. The E3 refers to:

1. Energy
2. Employment
3. Environment
4. Economy

Select the correct answer using the codes given below:

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

Answer- B

Guiding Principles

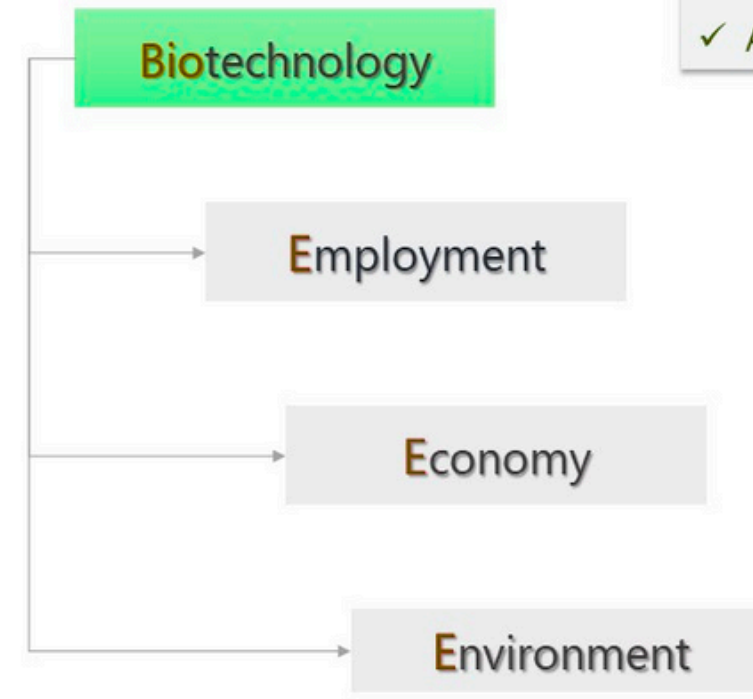
BioE3 (Biotechnology for Economy, Environment and Employment)



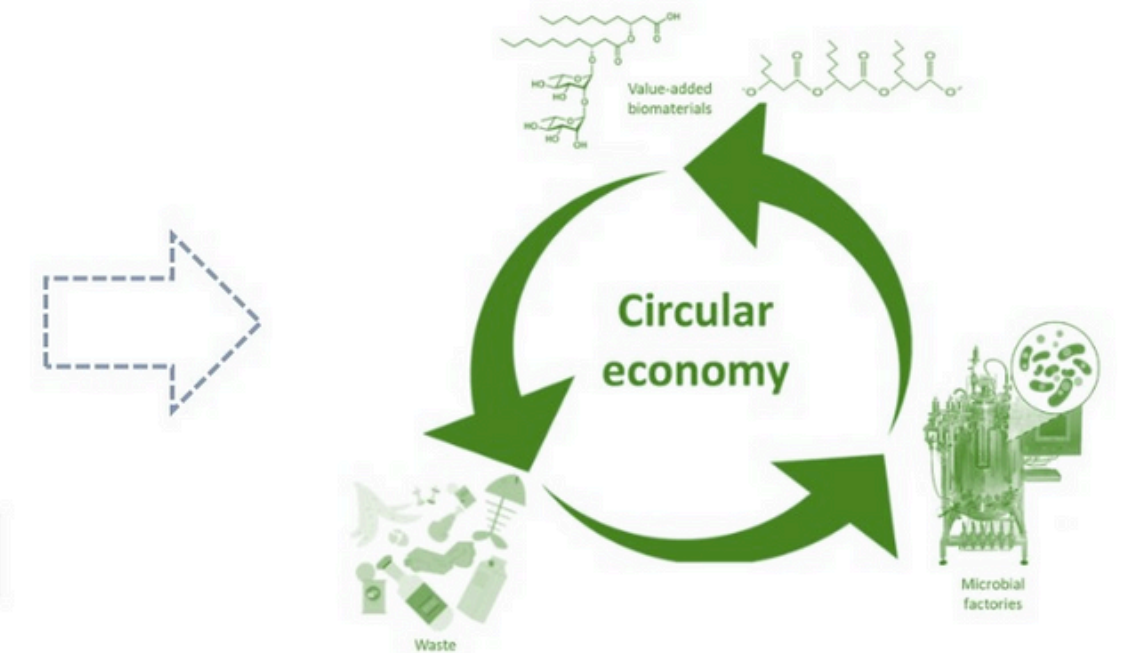
- Foster a future that is more sustainable, innovative, and responsive to global challenges
- Potential to create new jobs and intensify entrepreneurial momentum
- "Bio-Vision for Bharat" during Amrit Kaal

What do we aim to achieve?

BioE³



- ✓ Steer India on the path of **accelerated Green Growth**
- ✓ Foster surge in **employment** and intensify **entrepreneurial** momentum
- ✓ Achieve **bioeconomy** targets and **national economic goals for 2047**



Q3. With reference to the Law Commission, consider the following statements:

1. It is a statutory commission.
2. The commission is usually chaired by a retired judge of the Supreme Court or a High Court.
3. Serving judges cannot be appointed to the commission.
4. The recommendations of the report are binding on the government.

How many of the statements given above are correct?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four



Purpose & Role:

- Established to assist the government in reviewing the operation of laws and recommending necessary reforms.
- Proposes the repeal of outdated legislation and suggests new legal frameworks for contemporary issues.
- Provides recommendations on matters referred by the government, ensuring legal modernization.

Impact & Contributions

- Since Independence, 22 Law Commissions have been constituted.
- 289 reports submitted, addressing key legal and policy issues.
- Government is not obligated to implement recommendations; Many have shaped major legislative reforms, such as:
 - Code of Criminal Procedure, 1973 (CrPC)
 - (RTE Act) – Ensured free and mandatory education for children.

Q4. The application of semiconductor covers:

1. Integrated circuit (IC) design
2. Packaging and testing
3. Raw material production
4. Wafer fabrication

Select the correct answer using the codes given below:

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



2008

Answer- D

- **The Prime Minister's visit to Singapore included agreements on semiconductors, digital technologies, health, and talent development.**
- **The PM and his newly elected Singaporean counterpart, Lawrence Wong, witnessed the signing of a Memorandum of Understanding for an India-Singapore Semiconductor Ecosystem Partnership.**

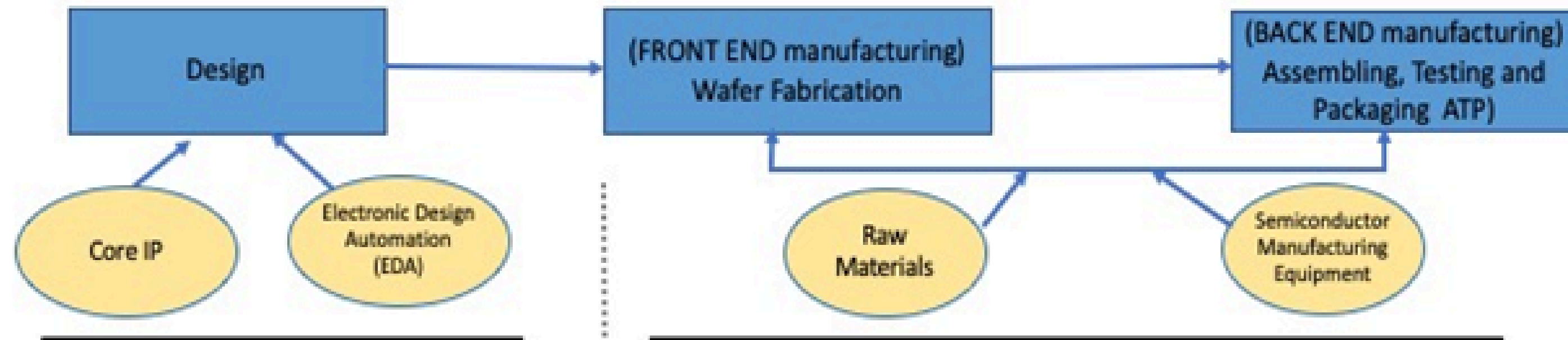
Which one of the following laser types is used in a laser printer?

- (a) Dye laser**
- (b) Gas laser**
- (c) Semiconductor laser**
- (d) Excimer laser**

Singapore: Advanced Processors like CPU, GPU, Silicon carbide (SiC) chips, Mosfets, etc.
India: Advanced Processors like CPU, GPU; FPGA/ASIC/System-on-Chip (SoC) Design; Analog, Digital & Mixed-Signal Design, etc.

Singapore: Mature nodes (>28nm), Limited in advanced nodes of 7nm ; 5% of global wafer capacity (fabrication and production)
India: Beginner in semiconductor fabs and chip production

Singapore: Advanced OSAT;
India: Beginner in ATP



Core IP & EDA

Singapore: Strong pre-competitive R&D; IC design, EDA software
India: Strong pre-competitive R&D; Hub of EDA software tools and IC design; IP Core integration; Lacking a significant local design ecosystem (Core IP and EDA)

MATERIALS

Singapore: Wafer components; Chemicals and gases; Packaging substrates
India: Relies on imports of wafer requirements; Locally produces chemicals and gases but requires an upgrade to semiconductor grade; Emerging in lead frames and packaging materials


EQUIPMENT & TOOLS

Singapore: 20% global chip equipment production—Tools/Equipment for Photoresist, Etching, Testing, Deposition, Wafer Inspection
India: Limited Deposition, Etching, and Cleaning; Limited in ATP equipment and Testing and Validation Tools

Q5. Consider the following statements:

1. The site is located in the Bhal region of Gujarat.
2. The study has revealed that the Sabarmati river used to flow by this site.
3. The National Maritime Heritage Complex (NMHC) is being constructed at this place.
4. It was a thriving trade centre in ancient times, with its trade of beads, gems and ornaments reaching West Asia and Africa.

The above mentioned statements refer to:

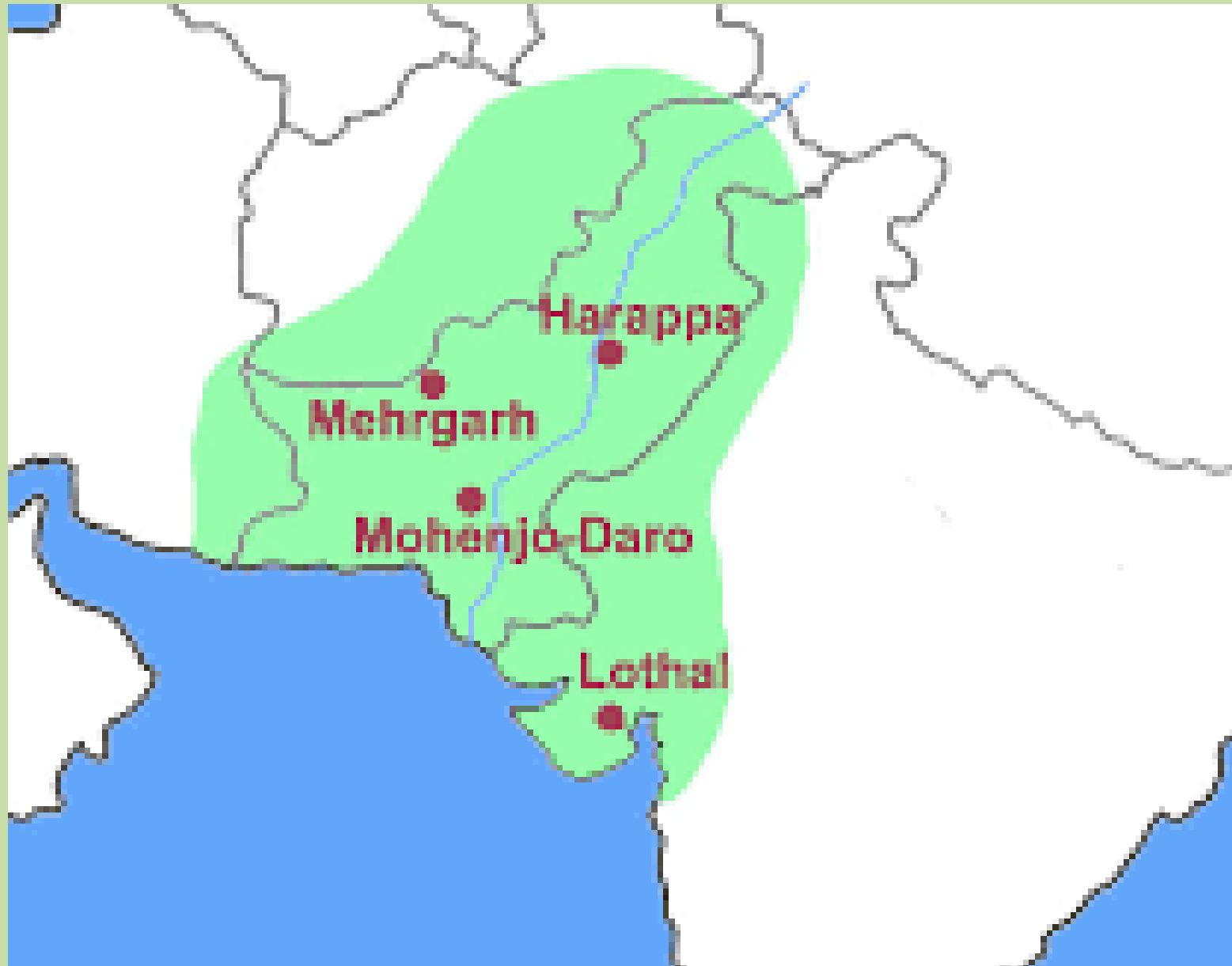
- (a) Dholavira
 - (b) Surkotada
 - (c) Desalpur
 - (d) Lothal
- 

Answer- D

New study suggests existence of a dockyard at Lothal, Gujarat, during Harappan Civilisation: What are the findings?

The study has revealed that the Sabarmati river used to flow by Lothal (currently, it flows 20 km away from the location) during the Harappan Civilisation

 **The Indian EXPRESS**
JOURNALISM OF COURAGE



2019


Which one of the following is **not** a Harappan site?

- (a) Chanhudaro
- (b) Kot Diji
- (c) Sohgaora
- (d) Desalpur

Q6. With reference to the genome mapping, consider the following statements:

1. It refers to the process of determining the location of genes on an organism's chromosomes.
2. It provides important clues on where a virus comes from and how it is changing.

Which of the statements given above is/are correct?

- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
- 

Answer- C

Genome Mapping of Chandipura Vesiculovirus (CHPV) by GBRC

Conducted by: Gujarat Biotechnology Research Centre (GBRC), Gandhinagar

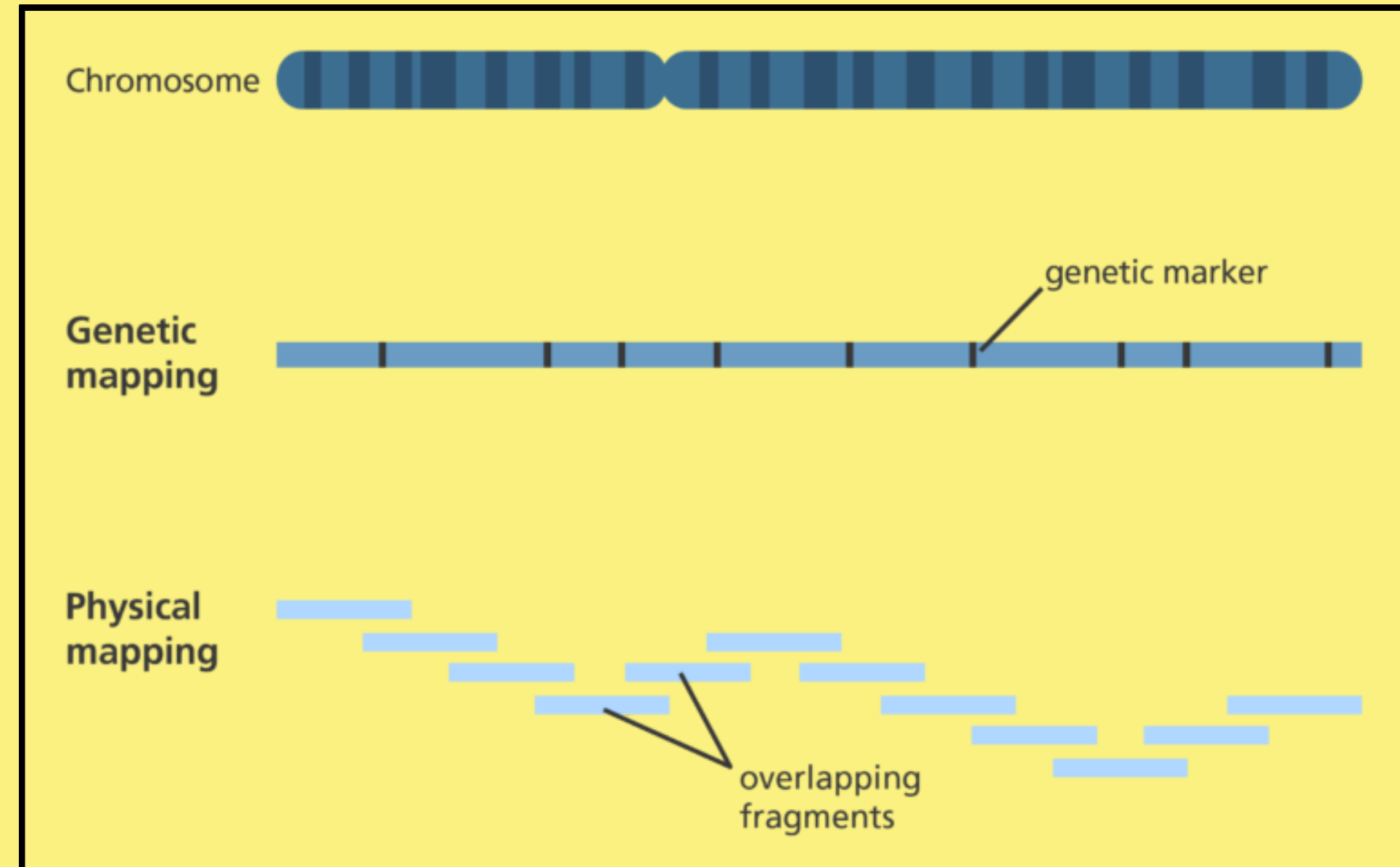
Significance: First fully mapped genome of CHPV

Impact: CHPV caused one-third of encephalitis cases in Gujarat (July-August outbreak).

Disease: Causes Acute Encephalitis Syndrome (AES), leading to fever, headache, brain swelling, convulsions, coma, and death.

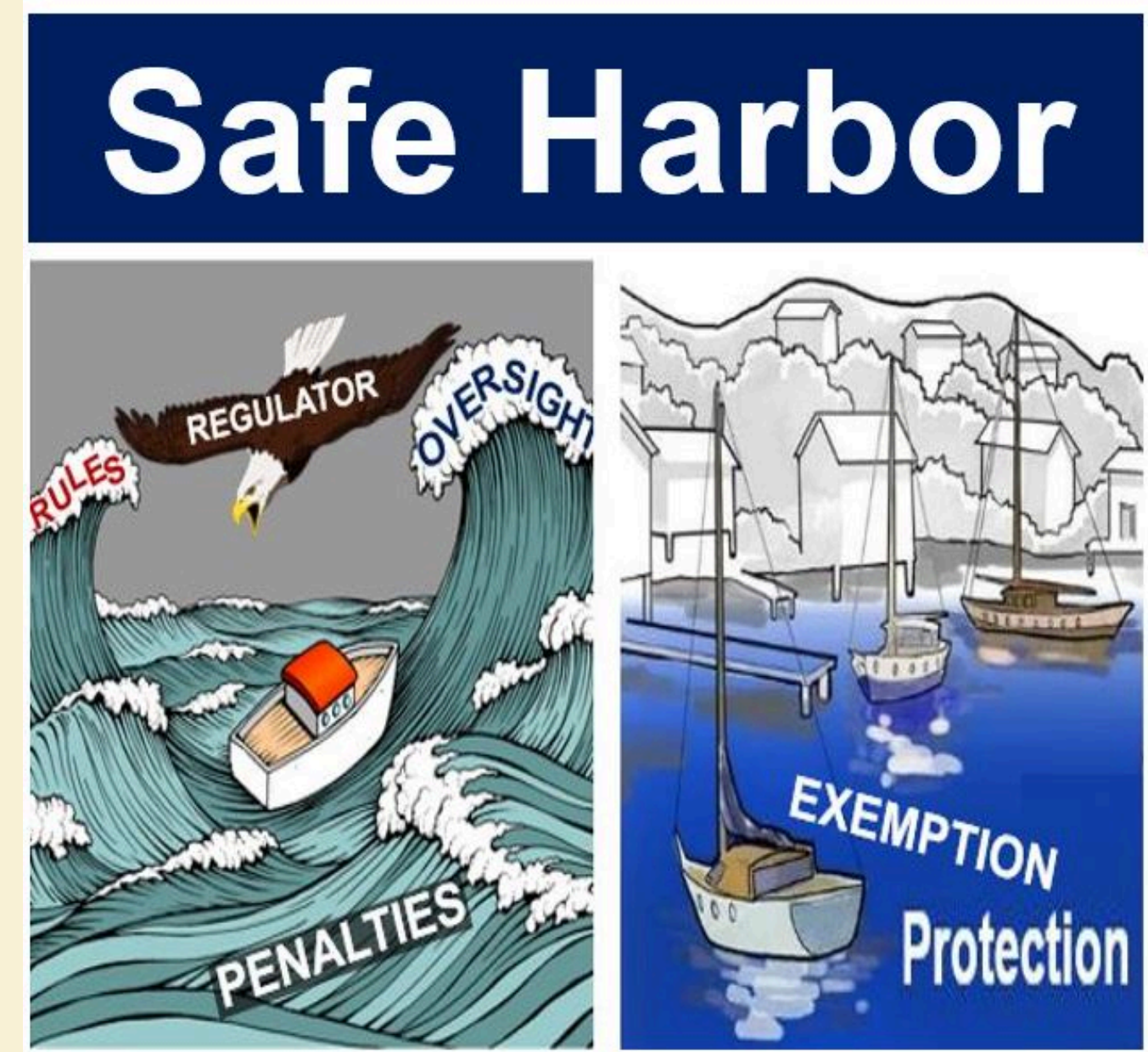
Genome Mapping Benefits:

- Helps trace virus origin and evolution.
- Identifies genetic alterations affecting transmissibility and severity.
- Aids in epidemic prevention and control.



Q7. 'Safe harbour protection', recently seen in news is in reference to:

- (a) Money laundering
- (b) Social media platforms
- (c) Irregularities in sports
- (d) Manned missions in space



Answer- B

How Telegram CEO Pavel Durov's arrest in France could possibly upend 'safe harbour' protection

 **The Indian EXPRESS**
JOURNALISM OF COURAGE

How can a platform that allows its users to post their independent content be held liable for what appears on it? That is the heart of the safe harbour logic. How could France then arrest the chief of Telegram?

Safe Harbour rules refer to legal provisions that protect online platforms from liability for user-generated content, provided they adhere to certain conditions. These rules acknowledge that digital platforms, such as social media websites, search engines, and online marketplaces, do not have direct control over the content posted by users in real time.

Q8. Which of the following African countries have marked 500 days of war between the armed forces and support forces leading to the death of thousands of people?

- (a) Libya
 - (b) Botswana
 - (c) Nigeria
 - (d) Sudan
- 

Answer- D

500 days of the Sudan war: What is happening — and what happens next?

As the situation further deteriorates in Sudan with no signs of a ceasefire agreement in the near future, experts believe that the war could kill millions and become a geo-political nightmare.



2024

37. Consider the following pairs :

	Country	Reason for being in the news
1.	Argentina	Worst economic crisis
2.	Sudan	War between the country's regular army and paramilitary forces
3.	Turkey	Rescinded its membership of NATO


How many of the pairs given above are correctly matched ?

- (a) Only one pair
- (b) Only two pairs
- (c) All three pairs
- (d) None of the pairs

Q9. Consider the following statements:

1. The first phase of Indians arriving in this country started with the discovery of oil in the 1920s.
2. This country is part of India's 'Act East' Policy and Indo-Pacific Vision.
3. This country has almost one-fourth of its residents as temporary residents.

The above mentioned statements refer to which country?

- (a) Philippines
 - (b) Vietnam
 - (c) Brunei
 - (d) Laos
- 

Answer- C

PM Modi is the **first** Indian Prime Minister to visit the Southeast Asian nation, and his tour coincides with the 40th anniversary of India and Brunei’s diplomatic relations.

THE HINDU

HOME / NEWS / INDIA

PM Modi leaves for two-nation visit to Brunei and Singapore

‘Both countries are important partners in our Act East Policy and the Indo-Pacific Vision’, said Mr. Modi in his departure statement.

Updated - September 03, 2024 03:53 pm IST - New Delhi

THE HINDU BUREAU

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UPSC CSE PYQ 2011

42. With reference to “Look East Policy” of India, consider the following statements :

1. India wants to establish itself as an important regional player in the East Asian affairs.
2. India wants to plug the vacuum created by the termination of Cold War.
3. India wants to restore the historical and cultural ties with its neighbours in Southeast and East Asia.

Which of the statements given above is/are correct ?

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

Q10. Sindhudurg fort is associated to which historical personality

- (a) Maharana Pratap
- (b) Rani Lakshmi Bai
- (c) Chhatrapati Shivaji
- (d) Ahilya Bai Holkar



Sindhudurg, the Maratha fort that cemented Shivaji Maharaj's naval dominance

The 35-foot statue of Chhatrapati Shivaji Maharaj in Malvan that collapsed recently was built less than a year ago. In contrast, the Sindhudurg Fort, which Shivaji Maharaj built 357 years ago, still stands strong. The fort is a proud symbol of the Maratha Navy, and the technology behind its construction.



Answer- C

The Sindhudurg Fort, which Shivaji Maharaj built 357 years ago, still stands strong. The fort is a proud symbol of the Maratha Navy, and the technology behind its construction.

Born on 19th
February 1630 at
Shivneri Fort, Pune

Crowned as
Chhatrapati on 6th
June 1674 at Raigad
Fort.



Established an independent
Hindavi Swarajya, resisting
Mughal and Deccan Sultanate
rule.

The Maratha Empire
expanded significantly in
the 18th century, becoming
the dominant power in
India.

UPSC 2024

56. Who of the following rulers of medieval India gave permission to the Portuguese to build a fort at Bhatkal ?

- (a) Krishnadevaraya
- (b) Narasimha Saluva
- (c) Muhammad Shah III
- (d) Yusuf Adil Shah