

# OFFICERS IAS ACADEMY

IAS ACADEMY RUN BY FORMER CIVIL SERVANTS

Daily MCQs: 22-10-2024

**1. With reference to DigiLocker, consider the following statements.**

- 1) DigiLocker is a secure cloud based platform for storage of documents & certificates.
- 2) DigiLocker issued documents are deemed to be at par with original physical documents.
- 3) DigiLocker is linked to both Aadhaar card and cellphone numbers.

**How many of the statements given above is/are correct?**

- A. Only one
- B. Only two
- C. All three
- D. None

**2. With reference to defence innovation, David's Sling, Arrow II and Arrow III, are part of**

- A. Air defence network
- B. Submarine nuclear capabilities
- C. Cyber warfare technology
- D. Maritime security network

**3. With reference to Air Quality Index (AQI), consider the following statements.**

- 1) The higher the AQI, the better the air quality.
- 2) AQI provides colour-coded warnings.

**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

**4. With reference to NATO, consider the following statements.**

- 1) NATO was formed by the signing of the Lisbon Treaty.
- 2) 'Collective Defence' is an important principle of NATO.
- 3) A "NATO decision" is taken by consensus of all members.

**How many of the statements given above is/are correct?**

- A. Only one
- B. Only two
- C. All three
- D. None of the above

**5. With reference to the 42nd Constitutional Amendment Act, 1976, consider the following statements.**

- 1) The words, 'Secular' and 'Socialist' were added to the Preamble.

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2) The word 'Unity' was replaced by 'Unity and Integrity'.

**How many of the statements given above is/are correct?**

- A. Only one
- B. Only two
- C. All three
- D. None of the above

**Solutions:**

**1. Answer: C**

**Explanation**

**About DigiLocker**

- DigiLocker is a flagship initiative of the **Ministry of Electronics & IT (MeitY)** under the **Digital India programme**.
  - *Digital India is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy.*
- It is a **secure cloud based platform for storage, sharing and verification of documents & certificates**. Hence, **statement 1 is correct**.
- Linked to both **Aadhaar card and cellphone numbers**, DigiLocker **eliminates the use of physical documents** as part of the government's Digital India drive, since all data is stored in the **cloud**. Hence, **statement 3 is correct**.
- One can **upload scanned copies** of their documents (PDF, JPEG or PNG format) and **access it anywhere** they want. One can also **e-sign** these uploaded documents, which works like **self-attestation of physical documents**.
- On the other hand, organisations like the CBSE, the Registrar Office or the Income Tax Department can also push electronic copies of documents and certificates directly into Citizens' e-lockers.
- The issued documents in DigiLocker system are **deemed to be at par with original physical documents** as per the Information Technology (Preservation and Retention of Information by Intermediaries providing Digital Locker facilities) Rules, 2016. Hence, **statement 2 is correct**.
- DigiLocker is available both on **websites and mobile apps**.

**2. Answer: A**

**Explanation**

- Israel has a **four-layered air defence network** to tackle a range of projectiles, short-range mortars, rockets and long-range ballistic missiles. Hence, **answer is option A**.
- These comprise the **Iron Dome (short range)**, **David's Sling (low to mid-range)**, **Arrow II (upper-atmospheric)**, and **Arrow III (exo-atmospheric)**.

**About Iron Dome**

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- Iron Dome is a **short-range anti-rocket, anti-mortar, and anti-artillery system** with an **intercept range of 2.5 to 43 miles** and was developed by **Rafael Advanced Defence Systems of Israel**.
- Israel has at least 10 Iron Dome batteries deployed throughout the country, each designed to defend a 60-square-mile populated area and can be moved as threats change.
- Iron Dome's targeting system and radar first track the trajectory of incoming projectiles and are designed to fire its **Tamir interceptors** only at those which are likely to land in populated areas or important areas/targets.
- In the past, Israel has put Iron Dome's interception rate at as high as 97%.

### 3. Answer: B

#### Explanation

#### About Air Quality Index (AQI)

- AQI is a **number**, which is a **measure of air quality**. The **higher the AQI, the worse the air**. Hence, **statement 1 is incorrect**.
- The **colour-coded AQI index** was launched by the Government of India in **2014**, and it helps the public and the government understand the condition of the air and what subsequent measures are to be taken to combat the situation, based on its severity. Hence, **statement 2 is correct**.

#### AQI Category    Associated Health Impact

<b>Good</b> (0 to 50)	<b>Minimal impact</b>
<b>Satisfactory</b> (51 to 100)	<b>May cause minor breathing discomfort to sensitive people</b>
<b>Moderately Polluted</b> (101 to 200)	<b>May cause breathing discomfort to the people with lung disease such as asthma and discomfort to people with heart disease, children and older adults</b>
<b>Poor</b> (201 to 300)	<b>May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease</b>
<b>Very Poor</b> (301 to 400)	<b>May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases</b>
<b>Severe</b> (401 to 500)	<b>May cause respiratory effects even on healthy people and serious health impacts on people with lung/heart diseases. The health impacts may be experienced even during light physical activity</b>

- There are **six categories of AQI**, namely **'Good'** (0-50), **'Satisfactory'** (51-100), **'Moderately polluted'** (101-200), **'Poor'** (201-300), **'Very Poor'** (301-400), and **'Severe'** (401-500).

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### 4. Answer: B

#### Explanation About NATO

- Formed in **1949** with the signing of the **Washington Treaty**, NATO is a **security alliance of 31 countries from North America and Europe**. Hence, **statement 1 is incorrect**.
- Established in the Cold War as a bulwark against Soviet aggression, NATO's fundamental goal is to safeguard the freedom and security of all its members by political and military means.
- **Article 5 of the Washington Treaty** states that an attack against one Ally is an attack against all — is at the core of the Alliance, a promise of **collective defence**. Hence, **statement 2 is correct**.
  - Article 5 has been **invoked only once** in NATO history. It happened after the **September 11 attacks** on the United States in 2001, which led the alliance into Afghanistan.
- A "**NATO decision**" is the expression of the collective will of all 31 member countries since all decisions are taken by **consensus**. Hence, **statement 3 is correct**.
- NATO is funded by Allies both **directly and indirectly**. Direct contributions are made to NATO budgets and programmes on an agreed cost-share formula, based on Gross National Income. Indirect funding is where allies commit capabilities or troops to a military operation.
- At present, NATO has **32 members**. In 1949, there were **12 founding members** of the Alliance: Belgium, Canada, Denmark, France, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, the United Kingdom and the United States.
- The other member countries are: Greece and Turkey (1952), Germany (1955), Spain (1982), the Czech Republic, Hungary and Poland (1999), Bulgaria, Estonia, Latvia, Lithuania, Romania, Slovakia and Slovenia (2004), Albania and Croatia (2009), Montenegro (2017) North Macedonia (2020), Finland (2023) and Sweden (2024).
- NATO's Headquarters are located in **Brussels, Belgium**.

#### Why in News?

- The UK has announced support to NATO's efforts to **enhance its space capabilities**, including the possibility of using UK launch vehicles and spaceports.
- This initiative, known as the **STARLIFT programme**, aims to develop a network of space launch capabilities across the alliance.

### 5. Answer: C

#### Explanation Preamble

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN **SOCIALIST SECULAR** DEMOCRATIC REPUBLIC and to secure to all its citizens:

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JUSTICE, social, economic and political;  
LIBERTY of thought, expression, belief, faith and worship;  
EQUALITY of status and of opportunity; and to promote among them all  
FRATERNITY assuring the dignity of the individual and the **unity and integrity** of the Nation;

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949, do HEREBY ADOPT,  
ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.

### 42nd Constitutional Amendment Act and the Preamble

- The words '**Secular**' and '**Socialist**' were added. Hence, **statement 1 is correct.**
- The word 'Unity' was replaced by '**Unity and Integrity**'. Hence, **statement 2 is correct.**

