

PRABHA IAS IPS COACHING ACADEMY



DAILY PRACTICE QUESTIONS (16/3/2026)

1. With reference to the nationwide survey to document India's manuscripts, consider the following statements:

1. The survey is launched by the Ministry of Culture.
2. It aims to create a national digital repository under the Gyan Bharatam Mission.
3. Only government-owned manuscripts will be included in the survey.

Which of the statements given above is/are correct?

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

2. With reference to Atomic Clocks used in navigation systems, consider the following statements:

1. They measure time based on the natural vibration frequency of atoms.
2. Cesium and rubidium atoms are commonly used in atomic clocks.
3. They are less accurate than quartz clocks used in ordinary watches.

Which of the statements given above is/are correct?

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

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(d) 1, 2 and 3

3. With reference to the Nor'wester storm, consider the following statements:

1. It occurs mainly during the pre-monsoon season in eastern and northeastern India.
2. It is known as Kalbaisakhi in Bengal.
3. It is caused by the collision of moist air from the Bay of Bengal with cooler northwesterly air.

Which of the statements given above is/are correct?

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

4. Sujal Gaon ID, recently in the news, is best described as:

- (a) A digital identity for farmers receiving irrigation subsidies
- (b) A unique digital ID for rural piped drinking water supply schemes
- (c) A groundwater quality monitoring system
- (d) A sanitation ranking system for villages

5. Acrylonitrile, sometimes seen in the news in the context of planetary studies, is:

- (a) A radioactive isotope found in meteorites
- (b) A colorless, flammable organic compound used in plastics and synthetic fibers
- (c) A greenhouse gas responsible for warming on Mars

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(d) A metallic compound used in spacecraft shielding

SOLUTIONS:

1. Answer: (a) 1 and 2 only

Solution: The Ministry of Culture launched a nationwide survey to document India's manuscript heritage. It aims to create a national digital repository under the Gyan Bharatam Mission and includes both institutional and privately held manuscripts.

2. Answer: (a) 1 and 2 only

Solution: Atomic clocks measure time using the natural vibration frequencies of atoms such as cesium or rubidium. They are the most accurate time-keeping devices and are essential for navigation systems like NavIC and GPS.

3. Answer: (c) 1, 2 and 3

Solution: Nor'wester is a severe localized thunderstorm occurring in the pre-monsoon season (March–May) in eastern and northeastern India. It is called Kalbaisakhi in Bengal and forms due to the collision of moist air from the Bay of Bengal with cooler northwesterly winds.

4. Answer: (b) A unique digital ID for rural piped drinking water supply schemes

Solution: Sujal Gaon ID is a scheme-based digital identifier assigned to every rural piped drinking water supply scheme under Jal Jeevan Mission 2.0 to enable digital mapping and monitoring.

5. Answer: (b) A colorless, flammable organic compound used in plastics and synthetic fibers

Solution: Acrylonitrile (C_3H_3N) is a volatile organic compound used to manufacture plastics, synthetic rubber, and acrylic fibers. It has also been detected in the atmosphere of Titan, Saturn's largest moon.