

MAH B.ED CET (Memory Based) 2023 Question Paper with Solutions

Time Allowed :	Maximum Marks :	Total questions :
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1. Which state is Nalanda University in?

Answer: Bihar

Solution: Nalanda University is located in the Nalanda district of Bihar, India. It was an ancient center of learning and was revived as an international university in 2014.

Quick Tip

Nalanda University is one of the oldest centers of learning, historically dating back to the 5th century CE.

2. Which instrument is used to measure the purity of milk?

Answer: Lactometer

Solution: A lactometer is an instrument used to measure the purity of milk. It works on the principle of specific gravity, helping to determine whether water has been added to the milk.

Quick Tip

A lactometer helps in detecting the adulteration of milk by checking its density.

3. How many members are in Lok Sabha?

Solution: The Lok Sabha, also known as the House of the People, is the lower house of India's Parliament. As per the Constitution, the maximum strength of Lok Sabha is 552. However,

currently, it consists of 545 members: 543 elected representatives and 2 nominated members from the Anglo-Indian community (if required, though this provision was removed by the 104th Constitutional Amendment Act, 2019).

Quick Tip

The maximum strength of the Lok Sabha is 552, but the current number of seats is 545.

4. Which is the second tallest mountain?

Answer: K2

Solution: The second tallest mountain in the world is K2, also known as Mount Godwin-Austen. It is located in the Karakoram range and has an elevation of 8,611 meters (28,251 feet) above sea level. It is considered one of the most challenging mountains to climb.

Quick Tip

Mount Everest is the tallest mountain at 8,848.86 meters, but K2 is the second highest at 8,611 meters.

5. Who is not a member of G20?

Answer: Chile

Solution: The G20 (Group of Twenty) consists of 19 countries and the European Union, representing the world's largest economies. Chile is not a member of the G20. Although it is an important economy in South America, it is not part of the official G20 group.

The official G20 members are: Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, Mexico, Russia, Saudi Arabia, South Africa, South Korea, Turkey, the United Kingdom, the United States, and the European Union.

Quick Tip
Chile is not a part of the G20, but it actively participates in international economic discussions.

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7. What is the Commonwealth 2026 venue?

Answer: Victoria, Australia

Solution: The 2026 Commonwealth Games were originally awarded to Victoria, Australia. However, in July 2023, the Victorian government withdrew from hosting due to cost concerns, and the Commonwealth Games Federation is currently seeking a new host.

The Commonwealth Games is a multi-sport event involving athletes from the Commonwealth nations, and it is held every four years.

Quick Tip
The 2026 Commonwealth Games were initially set to be hosted by Victoria, Australia, but the venue is subject to change.

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8. What is the vitamin from sunshine?

Answer: Vitamin D

Solution: Vitamin D is often referred to as the "sunshine vitamin" because the body produces it when the skin is exposed to sunlight. It plays a crucial role in calcium absorption, bone health, and immune function.

A deficiency in Vitamin D can lead to rickets in children and osteoporosis in adults.

Quick Tip
Spending around 10–30 minutes in sunlight several times a week helps the body naturally produce Vitamin D.

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9. Ram has two children, one is Karan and one is Surat, one is Mugla. What is Karan and Ram's relationship?

Answer: Father and son

Solution: Ram is mentioned as having two children, including Karan. The statement does not explicitly mention gender, but assuming traditional naming conventions, Karan is typically a male name. Hence, the most logical relationship between Ram and Karan is that of a father and son.

Quick Tip
Understanding family relationship questions requires focusing on logical deductions from the given statement.

10. 2, 5, 10, 17, 26, 37, 50, 64, whose middle digit is odd in this number series?

Answer: 64

Solution: To determine which number has an odd middle digit, we analyze each number:

- 10 → Middle digit: 0 (Even) - 26 → Middle digit: 6 (Even) - 37 → Middle digit: 3 (Odd)
- 64 → Middle digit: 4 (Even)

Since 64 is the only two-digit number where the middle digit (4) is odd, it is the correct answer.

Quick Tip
For a two-digit number, the middle digit is the first digit itself.

11. What is the educational pattern of 2020?

Answer: 5+3+3+4

Solution: The New Education Policy (NEP) 2020 introduced a new school education structure in India, replacing the traditional 10+2 system with the 5+3+3+4 structure.

- 5 years: Foundational Stage (3 years of preschool + Grades 1-2) - 3 years: Preparatory Stage (Grades 3-5) - 3 years: Middle Stage (Grades 6-8) - 4 years: Secondary Stage (Grades 9-12)

This new structure is designed to provide flexibility, multidisciplinary learning, and skill-based education.

Quick Tip
The 5+3+3+4 structure in the NEP 2020 aims to make education more holistic and flexible.

12. Which of the following banks launched India's first Mobile ATM?

Answer: ICICI Bank

Solution: ICICI Bank was the first bank in India to launch a Mobile ATM in 2004. The Mobile ATM was introduced to provide banking facilities in remote locations and disaster-affected areas where traditional ATMs were not available.

Mobile ATMs are designed to travel to different locations, enabling easy access to cash withdrawal and other banking services.

Quick Tip
ICICI Bank launched India's first Mobile ATM in 2004 to enhance banking accessibility.

14. Which is a leap year?

Answer: 2024

Solution: A leap year occurs every 4 years if the year is divisible by 4. However, century years (years ending in 00) must also be divisible by 400 to be a leap year.

- 2018 is not a leap year because it is not divisible by 4. - 2020 is a leap year because it is divisible by 4. - 2024 is a leap year because it is divisible by 4. - 2026 is not a leap year because it is not divisible by 4.

Thus, 2024 is the correct answer as it is the upcoming leap year.

Quick Tip
A year is a leap year if it is divisible by 4, but if it is a century year (ending in 00), it must be divisible by 400.

15. What is associated with Sindhutai Sapkal?

Answer: Social work

Solution: Sindhutai Sapkal was a renowned Indian social worker and philanthropist known as the "Mother of Orphans." She dedicated her life to taking care of orphaned children and destitute women. Despite facing many hardships, she went on to establish numerous orphanages and helped raise thousands of abandoned children.

Her remarkable contributions to society earned her several awards, including the Padma Shri in 2021.

Quick Tip
Sindhutai Sapkal is known as the "Mother of Orphans" for her dedicated work in caring for abandoned children.

16. Who was the 13th President of India?

Answer: Pranab Mukherjee

Solution: Pranab Mukherjee was the 13th President of India, serving from 2012 to 2017. Before becoming President, he held several key positions in the Indian government, including Finance Minister, Defence Minister, and External Affairs Minister.

He was a veteran politician and a senior leader of the Indian National Congress. He was awarded the Bharat Ratna, India's highest civilian award, in 2019.

Quick Tip

Pranab Mukherjee served as India's 13th President from 2012 to 2017 and was awarded the Bharat Ratna in 2019.

17. The first G20 Summit was held in-

Answer: Washington D.C.

Solution: The first G20 Summit was held in Washington, D.C., USA, on November 14-15, 2008. The summit was convened in response to the global financial crisis of 2008. Leaders from major economies gathered to discuss measures to restore financial stability and prevent future economic downturns.

Since then, the G20 summits have become an annual platform for discussions on global economic policies.

Quick Tip

The first G20 Summit took place in Washington, D.C., in 2008 to address the global financial crisis.
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18. Who got India's first Nobel Prize?

Answer: Rabindranath Tagore

Solution: Rabindranath Tagore was the first Indian to receive the Nobel Prize. He was awarded the Nobel Prize in Literature in 1913 for his collection of poems, "Gitanjali".

Tagore was a poet, philosopher, and artist who played a significant role in Indian literature and the independence movement. His compositions are also the national anthems of India ("Jana Gana Mana") and Bangladesh ("Amar Sonar Bangla").

Quick Tip

Rabindranath Tagore was awarded the Nobel Prize in Literature in 1913 for "Gitanjali."
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19. Which company launched the INDICA car?

Answer: Tata Motors

Solution: The Tata Indica was launched by Tata Motors in 1998. It was India's first indigenously developed passenger car, marking a significant milestone in the Indian automotive industry. The car became popular for its spacious design, fuel efficiency, and affordability.

The Indica played a key role in establishing Tata Motors as a competitive player in the passenger car segment.

Quick Tip

The Tata Indica, launched in 1998, was India's first fully indigenous car.
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G20 Parishad

Solution: The G20 (Group of Twenty) is an international forum consisting of 19 countries and the European Union (EU). It was established in 1999 to discuss global economic and financial issues. The first G20 Summit was held in Washington, D.C., in 2008, focusing on the global financial crisis.

The G20 represents major economies, accounting for 85% of global GDP and 75% of international trade. The presidency of the G20 rotates annually among its members. In 2023, India held the G20 presidency and hosted the summit in New Delhi.

Quick Tip

The G20 was founded in 1999, and its first summit was held in 2008 in Washington, D.C.
