

Que-1 With reference to Mediation Bill, 2021, consider the following statements

- 1- Aim to reduce the pendency of cases in courts.
- 2- The objective of the bill is to settle any civil or commercial disputes through mediation before seeking court or tribunal's intervention.
- 3- Parties can appoint any District Court judge as mediator upon agreement.

Which of the following given above is/are correct

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

Que-2 With reference to State Emblem of India, consider the following statements

- 1- The emblem is an adaptation of the Lion Capital of Ashoka, an ancient sculpture dating back to 280 BCE during the reign of the Maurya Empire.
- 2- The statue is a three dimensional emblem showing four lions.
- 3- On 24 January 1950, a representation of the Lion Capital of Ashoka placed above the motto, Satyameva Jayate, was adopted as the State Emblem of India.

Which of the following given above is/are correct

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

Que-3 Consider the following statements about I2U2, recently in News |

- 1- I2U2 stands for India, Indonesia, the UAE, and the US, and was also referred to as the 'West Asian Quad'.
- 2- Its aim is to discuss "common areas of mutual interest, to strengthen the economic partnership in trade and investment in our respective regions and beyond".
- 3- To encourage joint investments in water, energy, transportation, space, health, and food security.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about Cervical cancer

- 1- Cervical cancer in India ranks as the second-most frequent cancer among old age women.
- 2- Cervavac is India's first quadrivalent human papillomavirus vaccine (qHPV) vaccine, and intended to protect women against cervical cancer.
- 3- Cervical cancer is a common sexually transmitted infection.

Which of the following given above is/are correct

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

Que-5 Consider the following statements about James Webb Space Telescope (JWST)

- 1- It is a space telescope designed primarily to conduct infrared astronomy.
- 2- Launch by National Aeronautics and Space Administration (NASA).
- 3- JWST is intended to succeed the Hubble as NASA's flagship mission in astrophysics.

Which of the following given above is/are correct

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

Que-6 Some of the key features of the proposed labour codes include

- 1- Bringing in a national minimum wage.
- 2- Widening of coverage of social security to cover informal and gig/ platform workers.
- 3- Providing greater flexibility to employers in hiring decisions without government permission by raising the threshold for requirement of a standing order – rules of conduct for workmen

employed in industrial establishments – from 100 workers to 300 workers.

Which of the following given above is/are correct

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

Que-7 With reference to 'Youth in India 2022' report released by the Ministry of Statistics and Programme Implementation, consider the following statements

- 1- Kerala, Tamil Nadu and Himachal Pradesh are projected to see a higher elderly population than the youth by 2036.
- 2- Bihar and Uttar Pradesh experienced a rise in proportion of youth population to total population till 2021 and then it is expected to start declining.
- 3- Youth in the age group of 15-29 years comprise 40 per cent of the population for 2021, which is expected to decrease to 22.7 by 2036.

Which of the following given above is/are correct

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

Que-8 What is dark matter?

1- Dark matter is made up of particles that do not have a charge — which means they do not interact through electromagnetic interactions.

2- These are particles that are “dark”, namely because they do not emit light, which is an electromagnetic phenomenon, and “matter” because they possess mass like normal matter and hence interact through gravity.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- Parties can appoint any person as mediator upon agreement. The results of mediation will be treated in line with court judgments.
- The committee observed that the definition of ‘international mediation’ in the bill and the provisions of the Singaporean Convention are incorporated into the bill. “The Committee observes that the purpose of the Singapore Convention is to facilitate international trade and commerce by enabling disputing

parties to easily enforce and invoke settlement agreements across borders. The Committee was informed by the Ministry that India has not ratified UNISA (United Nations Convention on International Settlement Agreement) yet.

2- (a)

- On 26 January 1950, a representation of the Lion Capital of Ashoka placed above the motto, Satyameva Jayate, was adopted as the State Emblem of India.

3- (d)

- I2U2 stands for India, Israel, the UAE, and the US, and was also referred to as the ‘West Asian Quad’ by Ahmed Albanna, Ambassador of the UAE to India.
- Six areas of cooperation have been identified by the countries mutually, and the aim is to encourage joint investments in water, energy, transportation, space, health, and food security.
- With the help of “private sector capital and expertise”, the countries will look to modernise infrastructure, explore low carbon development avenues for industries, improve public health, and promote the development

of critical emerging and green technologies.

- The Abraham Accords of 2020 had led to Israel formally normalising diplomatic ties with the UAE and two other countries in the region, marking an important shift in the stance of West Asian countries on Israel.

4- (d)

- Cervical cancer in India ranks as the second-most frequent cancer among women between 15 and 44 years of age.
- Cervical cancer is a common sexually transmitted infection. Long-lasting infection with certain types of HPV is the main cause of cervical cancer.
- Worldwide, cervical cancer is the second most common cancer type and the second most common cause of cancer death in women of reproductive age (15–44). India accounts for about a fifth of the global burden, with 1.23 lakh cases and around 67,000 deaths per year according to the World Health Organization's International Agency for Research on Cancer (IARC-WHO).
- Two vaccines licensed globally are available in India — a quadrivalent vaccine (Gardasil, from Merck) and a bivalent vaccine (Cervarix, from

GlaxoSmithKline). Each dose costs Rs 2,800 per dose (Gradasil) or Rs 3,299 (Cervarix).

- Although HPV vaccination was introduced in 2008, it has yet to be included in the national immunisation programme.

5- (c)

- As the largest optical telescope in space, its greatly improved infrared resolution and sensitivity allows it to view objects too old, distant, or faint for the Hubble Space Telescope. This is expected to enable a broad range of investigations across the fields of astronomy and cosmology, such as observation of the first stars and the formation of the first galaxies, and detailed atmospheric characterization of potentially habitable exoplanets.

6- (c)

- The streamlining of labour laws has been a work in progress, with the Centre notifying four broad labour codes to replace 29 sets of labour laws: The Code on Wages, 2019; The Industrial Relations Code, 2020; The Code on Social Security, 2020; and The Occupational Safety, Health and Working Conditions Code, 2020.
- With labour being a concurrent subject, both the Centre and states

have to frame laws and rules. While Parliament cleared the four labour codes in 2020, and the Centre pre-published the draft rules for all four codes, some state governments are yet to complete the process.

7- (a)

- Youth in the age group of 15-29 years comprise 27.2 per cent of the population for 2021, which is expected to decrease to 22.7 by 2036.
- Bihar and Uttar Pradesh along with Maharashtra, Madhya Pradesh and Rajasthan, are projected to have over half (52 per cent) of the country's youth.
- The proportion of the population aged under 15 years is projected to decline, the elderly in the population is expected to increase, the report said. "The youth population is expected to increase initially but will start to decline in the latter half of 2011-2036 period. The total youth population increased from 222.7 million in 1991 to 333.4 million in 2011 and is projected to reach 371.4 million by 2021 and, thereafter, decrease to 345.5 million by 2036," the report said.

8- (c)

- All interactions in the universe are a result of four fundamental forces acting on particles — strong nuclear force, weak nuclear force, electromagnetic force and gravitation.
- Gravitational force, besides not being fully integrated and understood by particle physicists, is extremely weak. For one thing, a particle that interacts so weakly becomes rather elusive to detect. This is because interactions from other known particles could drown out signals of dark matter particles.